Attachment to #8

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE POLYPEPTIDES ENCODED THEREBY

<130> 8535-0029-999

<140> US 09/428,674
<141> 1999-10-27

<150> US 60/106,442
<151> 1998-10-30

<160> 1008

<170> FastSEQ for Windows Version 4.0

09/428,674

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<213> Artificial Sequence

<220>
<223> Primer

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<220>
<223> Primer

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<211> 18
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<400> 5
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<210> 7
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<220>
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<400> 7
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<210> 8
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acaaacctgc acattgtgca catgtaccct aaaacttaaa gtgtaacaat aataaaattt 180
tttt 184

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<211> 309
<212> DNA
<213> Homo sapiens

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ctggcgaaaa gcattcggca agattatccg gctagcacag ccttcaagga ataaatatct 180
aacaccttgt tccctttgcg gttcaaaagc cactgtcact ggggtacata ggcagtttta 240
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ttgaaacgc 309

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<212> DNA
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<220>
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<223> n = A,T,C or G

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nttctagagg acaactggca gtctccttgt agctgagact tttttgtgta taaaaattaa 120
taaaattggt ttattaattt gtt 143

<210> 12
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<212> DNA
<213> Homo sapiens

<400> 12
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gacagagatg ggggtttcgc catgttgccc aggctggtct caagctcctg aactcaagtg 120
atcttcccac ctaagcctcc caaagtgctg ggattacagg catgagccac gactcccagc 180
ctgaaatata gattttaatc ttcagcttgc 210

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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 13
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tgtaatctcc cccaccctta agaaggttct ttgtaatctc ccccaccctt aagaatgttc 180
tttgtaattc tccccaccct tgagaatgta ctttgtgaga tctacccccc gcccacaaaa 240
cattggtcct gactccaccg cctatcccaa aacctataag aactaatgat aatcccacca 300
ccctttgctg actctctttt cggactcagc ccgcctgcac ccaggtgaaa taaacagcct 360
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gctngacctt ggtnnaaaag gggggctccc ccc 453

<210> 14
<211> 344
<212> DNA
<213> Homo sapiens

<400> 14
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tggacttttc acttccaaaa ctaatttcgc tcttgttgcc caggctggag tgcaatgacg 120
agatcttggc tcactgcaac ctccacctcc caggtttaag tgattctcct gcctcagcct 180
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<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

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gctgtgctaa gagcagttct aggacagatg aggagacaac tgttctgccc ggggctaagg 180
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tacctcttct caggggtctc tcttctctcc tattaacttc tttccatttc cctnattaag 420
ccctttgntt tggttttttg gganattgcc ggccnncacc ttttggaaaa ttg 473

<210> 16
<211> 403
<212> DNA
<213> Homo sapiens

<400> 16
gagtctactg acagaagcca aaggttgctg ctagtttcag cttcctggtg ttcctcatta 60
ttttcaaaaa tgtctgactg catcttttgg acattataaa aaccacagta ggaaaaaacg 120
ccagctattt caatggacca acaaagtgag actccaaagt gagccaagaa gtcctcaaag 180
cccttcctaa aggatggagg aacacatgaa tatatacatc aaatcctcct tccacagaga 240
ctcactgaag ggaatgaaga agggaaaagt cctcctaatt attaagatgc gttccttggg 300
actcggagaa ttaggaagga aacccccaag tcttgaatac atttctctaa agaggccgaa 360
tacttaataa tcaggggaga ttaaagcaaa tgggagaccc ctt 403

<210> 17
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 17
agacgggggt ctcactacgt tgcccaggct gatcttgaac tcctgcctca aatgaccctc 60
ctgcctcagc ctcccaaagt gctgcgatta aaggcacaag ccactgtgcc caaccaaagg 120
gtcttgctct gtcgcccagg ctagagtgca gtggcgcaat cttggctcat ggcaacctcc 180
acctcccggg ttcaagcgat tctcctgcca cagcctcccg agtagctggg attacaggtg 240
cctaccacca ggcccagcta aatttttttg tatttttagt acagacgggg tttcgccacc 300
ttggccaggc tggtcttgaa ctcctgacct tgtgatctac ccacctnagn ntcccaangg 360
gctggnatta caggggggag agaccggacc cagccacctt actgngtttc tgantgnnnt 420
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<210> 18

<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 18
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ctgcctcagc ctcccaaagt gctgcgatta aaggcacaag ccactgtgcc caaccaaagg 120
gtcttgctct gtcgcccagg ctagagtgca gtggcgcaat cttggctcat ggcaacctcc 180
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tggcta 486

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<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

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nntgcggaac ttagaaacag agnttcacca tgttggccaa gatggnctng atntcctgac 120
ctcgtgatcc gcccacctca gcctcccaaa gtgctgggat tacaggcacg aaccactgcg 180
cccggcccaa aatgaaagga gccccaggcc tctcaaaaag tatgaaagaa ctggaattca 240
ccagatcatc acatccagac aatgagacac caggcccctc attcatcatg atggcttctt 300
taccctatg gagttcctgt tttcccttag atagttacat ttcttccctg ctatataaac 360
ccctaatttt aagtcaatcc cgaagacgga tttgagcttc aagcttccat cttctttggc 420
tgnagaacct ggttaaaggc ctt 443

<210> 20
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

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cacctcccgt gttcaagtga ttcttctgcc tcagccacca aggcgggcgt cccaaagtgc 120
tgggattaca ggtgtgagcc actgcacctg gcttagaaat cttttcattc tttcaacatg 180
aatcctgctc ttagaatcac agagtacaaa gcttcctggt acaggtgggg aaactgaggc 240
tccgagttgc ctatctgatt ctgaggacac agcacccccc accagcacac ctggcacttg 300
ctttgtatat tagtgtcatt cggcacaagt tagtggaaaa tannagcata atatatagct 360

<210> 21
<211> 212
<212> DNA
<213> Homo sapiens

<400> 21
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cttcagaatg agagaagata tgccaaagac tttttatcta tacctgttcc tgttatgatg 120
atgaaatcct ggactactag actgaatctg ataccaaaat tggaagagtt tttgggtatc 180
ttgggagagg acattttggt tgtgcttgca tt 212

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<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

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tagagaanat ggctagggta gagcacacaa ggagagcagg ttcagggaga gatgaagatg 120
agaccaaagc gggaagagtg aagggaaaat taacctcccc ttgctgagac gtgtgacact 180
caaggcccaa atcagaaaac ttctgcttga ggaaacatta ctctttcctc catgactgct 240
ggtggtatcc atctgtcaga ctcccctgagc cttgatgccc ctcactcctt ctgctgtgga 300
gtaggaacgt gaaacacaaa cagtcatccc tccaattcct ccaacccatg ggggattggn 360
tccatgancc ctaacaaaat accaaatttc atggatgttc aagtccctta ttgcaaatgg 420
gcatggtatt tgcatataac ccgatgcaca tccccc 456

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<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

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ggattgttga gctgaagaca attaagaaga aacagatgca ggaaagctct ctgccctcca 120
tttgcttaaa tgcaggacag agatttacaa gataaaagac atcctgcccc tgtcttttac 180
cagggngaac aaaggttaac cactgaagac agttttagac cattatctgc caggagtagn 240
agncagagga atctacctga acatgcttta ccaactcgct tttatctgcc ggttacttgc 300
tttcccgcag agaagtccnt cnnganaccn naaagtcctt tttcttttgt 350

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<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

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gcgggcggat cgcgtgaggt caggagttca agaccaacct gctcaacatg gcgaaacccc 120
gtctctacta agaatacaaa aattagccag aaagaaaaaa ttccgagtcc tcaccttggc 180
aagatggagg aaagaaaagc ttttgagggg gaatgagatg ggacctgcca gtgctttctc 240
tcagacagtg ctgggagggc tcttctgaga tcccatctcc cattctctag tcaagatcac 300
tggctcctgc ctgggtcctg gcactggctg gatgaagtct cagaatttgc tcctgccccc 360
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tgcttggngg tggacccttc ttttcttctt ggatggc 457

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<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

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gacagagatg gggtttcgcc atgttgccca ggctggtctc aagctcctga actcaagtga 120
tcttcccacc taagccnccc aaagtgctgg gattacaggc atgagccacg actcccagcc 180
tgaaatntan nattntaatc tntcagcttg taantanana aaaannngtnc ggngagncna 240
nttttngttn nntnttaatc ccgcctt 267

<210> 26
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G

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gagaaaatgc catgtgaaga tggatcagag acagaagtga tgcggctgca agccaaggaa 120
tgtgaagaat ggccagccac caccggangc taggggagac gccagcacag attctccctg 180
agagtatcca gaagaaacca accctccaac acctggattt cagacttctg accttnagaa 240
gtgngagcca attnancatc tgtagtgntt tactcttcct acctnaaann tataaaaata 300
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<212> DNA
<213> Homo sapiens

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<222> (1)...(502)
<223> n = A,T,C or G

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tgacactagg ccgggcgcgg tggctcacgc ctgtaatcct agcactttgg gaggccgaga 120
tgggcggatc acttgaggtc aggagttcaa aaccagcctg gccaacacgg tgaaacccag 180
tctctactaa aaatacaaaa acattagccg gatgtggtgg caggcgcctg taatcccagc 240
tacttgggag gctgaggcag gagaatcgct taaaccttgg aagggggggg ttgcagcgag 300
ccgaggtcac accattgcac tccagtctgg gtgacagagc aaaaccagta gcagaggaaa 360
gagggtgaaa tgcagaaaat gactaatgct tttcatagta agnccgctat ccatttgntt 420
tttnaaacaa nctatctnng cnttnaaagn ntttttttna antaaannna ttttnnnagc 480
ctttccatna aaaaaacagg gc 502

<210> 28
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(104)
<223> n = A,T,C or G

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ngacactagg ccgngcgcgn natgaccttt tgagcaagtt cagc 104

<210> 29
<211> 260
<212> DNA
<213> Homo sapiens

<400> 29
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tcgccagagg gaacagaaag tcctcacttg ataccggcag aaacaggaac agggttaggt 120
agtctccggc aggctggtca gttttgatct ttacaacttg ggttgatgat cacctcagcc 180
ctaccttcaa aagcgattcc tgtccacagg ggttggtaac tgccttcccc tttacacaaa 240
aaacaagaaa aaaaatggtg 260

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<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

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ctgag 425

<210> 31
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

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cgactatnca ncatgaatga atgacagact gaatgacatg aagcctggag tctcaaggcc 120
gagactgcaa aagaagagtc catcctccta tcccctctgc tctgaactct cttcatgatc 180
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actcagatca cttcccagct gtgtaacttt ggacaagttc ttaacctctc tgtgcctctg 300
gtcccttctc tgtaaaagtg tagtcatcng gcctggcgtg gtgggctcac gcctgtaatc 360
ccagcacttt gngaaggcca aaggcaaaac caaatcactt gaggttcang nagtttttaa 420
agaaccagtc ctgccccaac cantggnttg aaaaaccctt ntttttntna ctaaanaaac 480
accaaaaaaa ttaacccncn ttgttanggg ggcaancccc cctttataat tcc 533

<210> 32
<211> 337
<212> DNA

<213> Homo sapiens

<400> 32
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caagctgcga cttctaatcc tcttggctac cccactggtc tggttcaacc tgagctcgca 120
ctgatttttt tggatttgac gtcaaggcaa acatcattgc aaactcaatt ccagcatgcc 180
agctccagag caccgtaacc tttaaaaact tgggatttcg ccgggcgcgg tggctcacac 240
ttgtaatccc agcacttcgg gaggccgagg cgggtggatc acctgaggtc aggaatttga 300
gatcagcctg cacaacatgg tgaaaccccg tctctac 337

<210> 33
<211> 274
<212> DNA
<213> Homo sapiens

<400> 33
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gagatgcaca gggagggcgc tgtgtgaaga tgatggcaga ggttgcagag atgctcaaag 120
agccaagaac atcaagggcc gccggcacca ccagaagtca ggaaaaggca aagagggttc 180
cactcagagt cttggagcat ggcctcccga tgccttgatt tcagacttct agcctgcagg 240
atgataagac agtaaattcc tgcagtttta agcc 274

<210> 34
<211> 290
<212> DNA
<213> Homo sapiens

<400> 34
acacagcatc atctctaccc ataaaagatg gcattctgca agactgagaa gatgcccacc 60
tccattccca gagtccaggc cttcattaac tcacacgaga actacagaag catcacccct 120
agttctccta ttagtcactc ctcctcaact gcctctaatc catccatcca tctatccggc 180
atgggtcatg taaagttaca gctgagaagg tactccctct cttaaactcg tcggggctcc 240
atgtggcttc aagattgaaa ataaaactac tgcgtatggt atataaactt 290

<210> 35
<211> 384
<212> DNA
<213> Homo sapiens

<400> 35
gagaatgata aggggagaga gtaagaaagc aatgagatac acatgtcttg actgcttctc 60
ttcatgctga aatcctgggg gaaagaagtg ctaaatcagt tgaggacatg ggaacattta 120
ttctggaaga aatttgggta cagagacaga caagcaccaa gagaagatga tgtgaagaag 180
cacagcgaga acaccatgtg aaaatggagg actggaatga agcatctaca agccaggaaa 240
tgtctgaggc taccagaagc caggagagag gcctggaaca gatcctgcac tagaaccttc 300
aaagagagca tggtcctgct gacatgttga ttttggactt ctggcctcca gagctgtgag 360
aataaatttc agttgtttta agcc 384

<210> 36
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 36
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cntttaccaa cntccctgnt ttccgcnttt tttgggggga ggacnaccgc ttcctgaacc 120
agttctgggt ttccacttta ttcaaaaagg gggaagttca agccttttan caaatatccg 180
gctgggatca atgatatttc attctggggt gccctctgga aaattacccc caaaaatgat 240

tttctatgac ttaatcccga acaatttgga gggaaaacct ggtgggaaaa agggtgatct 300
catagacaaa gnttggtnca ttccaaagac gccccaagaa ccagccactg nttcccgcat 360
nacgttcccg gcccattggg aacggacttt tntncccaaa aaaaaggtca aggccccatt 420
ccnccaaggc ctttgcaagg aagnttgcaa ntcccaactt tttttgggtg ttggnanggg 480
caaggtttnt tgatgtcanc acctttttact ttaagg 516

<210> 37
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 37
ttatgatgga tttattggga cataacccca ttctaagttg aggagcatct gtacatgtat 60
aatggaattg cacaaagaag tgattgcaga tggtggaagt cagatttctc aatgttgcag 120
tggtaagtta caataggcaa aagggagggg gctanaatga tctttagtga tgaattagaa 180
ttggagacat cagtatgact cttatttagc ttaatgtagg tacaaaaggt cacctattaa 240
aatatttatg aatgtgacta tatacatggg ttaatatgta aacatgttac ttgctctgtc 300
agctgaaacg acctaaaagt aatgactctt gtactcccag tagcaatgag cactctcagt 360
gcccagatct tggcttttaa tatgtttccc caataaaagg aaccagggtt ccttggaaaa 420
tggccaattc taaaattggg gcaggaaata tgtatgatga gttggagtat attcttatgc 480
c 481

<210> 38
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 38
gacaaacttt gcccaaggag aagctcaatg gactgttgac ctcttgtgaa tggagatcat 60
ctcatctaat gtatttttct ccacaaacag aagtaattta aatgacatct tggcagagta 120
gccaataatc aacaatggcc acttcttcca ctcccaagtt ggctgaattg caatgggacg 180
atctcggctt accacaacct ccgcctcccg ggttgaagcg attctcctgc ctcagcctcc 240
caagtagctg ggattacagg catgcaccac cacactccgc taattttgta tttttagtag 300
agacggggtt tctccatgtt ggtcaggttg gtctcggacc cccgacctcc ggtgatccgc 360
ccgcctcgac ctcccatagg gctgggttta caggcgtgag gcactacgcc cggccataat 420
ttttaaacat ttttctgttg gcacctgccc ggaccatnga ttttaaatga tctacttaca 480
tgatggggaa g 491

<210> 39
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 39
gtctctccaa ttccctcagc tatccggggt tacataaatg aactcatcac tagaggcctg 60
caccatcttc ctgctgccct gcagcccaca ggattaaaca caaccaaagt ccctgcctgg 120
agaaagagga gctgaatcac acacctcagg atggagaggg tcttcagaga aaggaaattc 180
tcattgggga tgaaaatgtt aaaagctagc ccaaagcaca ctacgtacat gcaggagttg 240

cctaaaagca catatgatta aaaactccaa agaaaacgca aacncttttg gatttacgat 300
actgtaagat agctcccacc tct 323

<210> 40
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 40
gtatattatt aaaagcgatg attgtggaaa tttctgtctt attactgaac acagaggaaa 60
acaaaatctt cctgattgat gaaaaaccag tgttgtattt gggtaagctg gtgacaatga 120
ctccaaagat catccagaac cttcacacca aggagggatt ggctaaccat ggactgaaag 180
aaggggacaa ctggatgagg agctggtaaa gccagaaaat ctcaggcgtg tgctcaccan 240
ggtgacagat gagaccttct gatgctctct tgcccgtgca cacttccatt ctctgagtct 300
tttgggtcaa gatctgagct ttcagggagc acaccaatgg catgaacctc tctgatgcct 360
ctgagcccag ccttagcatt ctcttcttca tgagctacta cctgtctaca gcagccaaca 420
actcttctgt caaactcttg ggtctatgcc anggtaaaaa ccataaagna ctgcaggtgg 480
cttaaccctt tgagga 496

<210> 41
<211> 331
<212> DNA
<213> Homo sapiens

<400> 41
aacctctgtc catgagcaat ggatgacctc aggacaagaa tgcaataact tggcctgatg 60
ttgtgaagtc acggtccatc cagggatggg caagaggatg accagaacca tctcgagagg 120
ggctggaaag ctgcctcacg tatgtggtcc tgtgctgtgt ctacatgttc ctcactcgcc 180
tctacaacgc tcatggcacg agggaggaaa tggggtgcag aggctaagga acgtgcccaa 240
agccctacag ctggtgtatt agtaatctac tgctgtgtaa ccaattgccc caaaatttaa 300
atgtgtaaaa caacaaagac gtctaactca t 331

<210> 42
<211> 238
<212> DNA
<213> Homo sapiens

<400> 42
ggagggagaa gatcccatag cagctttgca gtcccttact gatttatgct ctggaagata 60
agacacgctt tgcaagattc agctgacgca gacctgctgt gtcatattac tttctttgtc 120
ttgctggaaa gaagtgcaaa atacctaagg aaacctcctt gtggcctcca ttaaccccag 180
ctagcaccta ccaaatcagc aaaatccgaa atatgattta aataaattat gcttaaag 238

<210> 43
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 43
cctgctttaa ttcanaactt gaaggacatg gncccgcgga gggagaagat tcattcgncc 60
attgaccccg aggganggnt ttntnacttc cgccgccctg ggatgcgggg cttcttttnt 120
tcttccaaca cattcttggc ttcattcatg ggcccggaag aatcttggcn aatggcccaa 180
tgtccccccc agattccccc agaangggtt cacccagaat ccctaaaacc atgccgaang 240

gaaagcttcc catcaaaaat ttggtcaagg gcnatatcat caaagggaag tattgccacg 300
aagaaccaat cgggggggaa cnggcccggg angccccggg aagttttccc ggggaagaaa 360
cgaagccaaa aaagccgcca ntncctgggg gcctttgctt gggaagaaac cttttctaaa 420
aaanggccac cctttgggcc ccttgccgcc atcattggga cctttttttc aagcttttcc 480
cttccccaag ggaatcaaag ttttctttac caccaaactt cnttgtgtng gcnttttggg 540
ggaccaaaaa tttaaaaagc tttag 565

<210> 44
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(684)
<223> n = A,T,C or G

<400> 44
tgggggggag cttaccttgg cattttaaag ttcaanaact tggaggggtt tggaggggtc 60
ccagtttacc ttggcaacca ttccaagtta ttttggaaaa aaaggaatgg aatttttgg 120
cttttcattt tggcaccttg gccctttttg gcttttcttt cggtccaaaa aggaattttc 180
ccttaaaagg ggaaaaaaat gggggggccac ccacccaaga aaattccctt ggggaagnaa 240
aatcctggct tcccaaaagn aaaccttgga ttaaccccaa aagnaaattt tggggattct 300
tggaagnaag gggtaagnaa aggggaaaat gggaaattcc ggtaaagntn ggggaattgc 360
cttgccattt tggtccttac caattcttcc ccttttaagg gaaccttcca aaaaaggaac 420
ctttttaagg ttccttttcc ccaaggggtn ggccccaagc cttggaattt taaccccttc 480
cccaagncct tggttccaaa ggggcccctt tcccctttgg gggaaaaaac ctttgggggg 540
cctttccaaa ggccttttgg gaaaggaagg naaaaccctt gggggccttt ttaattttnc 600
cccnaaggna aattcnaacc aacctttttnc cccnttttttt nccctttggg gggggggaaaa 660
aggttncctt taaccaattt ttcc 684

<210> 45
<211> 259
<212> DNA
<213> Homo sapiens

<400> 45
acatgggggt ctcactgtgt tgcccaggct ggagtacagt ggctattcac aggcacgatc 60
attgggtaca atagcctgga actcctggac tcaagtgatc ctcttgcctc agctttccta 120
gcagctagga ctacaggctt gtgccactgc atccaacgtg gacccccttt tgtatgccac 180
aatctatcca gtgcctttcg ctaagctttg caatttccct cctatttgta atattaatgg 240
tttatacttt ttgatttat 259

<210> 46
<211> 346
<212> DNA
<213> Homo sapiens

<400> 46
gacaaaaaca atgacagact tgtccgagct accatcgaag tcttgggtct gcacgcaaag 60
gatggaatcc cccatctcca ttcccaaaag tttccctacg ggagcctggt gttgtctcct 120
ccggaactgt cctcgcggct gcctgttttt ccctagccat ggttactgcc tgcgggggat 180
tcagcctgtg aaggcagtca aggcagttca ccactgtcat caaacctaca cccctgtgtg 240
catgcgcaca cacacttgta acccagtggc acaatgcagg aattagggaa gcaaaggcaa 300
atcgctgaat agctagggca cctgatccct gtaagggccc atcaag 346

<210> 47
<211> 203
<212> DNA
<213> Homo sapiens

<400> 47
atcaatgaaa caagaacaaa gaggagaatc aggaagtcag cagtatgtct cctttattcc 60

cctatgcttt agagtgagaa gaaataccag aatctggaac caggaagtga gtcctctagg 120
gatgaggagg tattcagctg gatggctttt taaaacattt cctccagagt cttctgcctg 180
attaaaaaca gttttcgtcc tag 203

<210> 48
<211> 213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

<400> 48
ctgagatcaa tgaaacaacg aacaaacgag gagaatcacg gaatgtcagc angtatgtct 60
cctttattcc cctatgcttt agagtgagaa gaaataccag aatctggaac caggaagtga 120
gtcctctagg gatgaggagg tattcagctg gatggctttt taaaacattt cctccagagt 180
cttctgcctg attaaaaaca gttttcgtcc tag 213

<210> 49
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 49
gatcaaagcc atcaagctac aaatgatctt acaaatggaa cctcaaatga gctcagctca 60
cggcttctac cgaggacccc tggatcaacc cgctggtccc tcaattaccc tagaaaattc 120
ccctctggag gacaccaaac tgcagggccc cttcttcacc cctaaccagc aggaagtagc 180
cagaacgact gccacacggt tcccaacagc agttggggtg tcctgtttag aggcaggact 240
gagaggaggt gccagctggg cttcctgggt caaggaaggg ggtnaaaaaa gctgngaaac 300
tcactcattt cctgcatcag gacttacttc agtcctgttt t 341

<210> 50
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

<400> 50
acaaagaagt ctctgcccag ggtcgttgct tttaaagata ttctgatgca aaatgccagt 60
actctgctcc tccattctac agatcaacaa atctttctac agccaggtgc agggggctct 120
tgcctgtaat cctagcactt tgggaggcca aggcaggcag atcacttgag gtcaggagtt 180
tgagaccaac ctggccaaca tgatgaaacc ccatctctac taaacataca aaaacattag 240
ctaaacatgg tgtcgcacgc ctgtcgtccc ancttctnng gangnttgag gcaggaaaat 300
cncttgaacc tgggaggtgg aggctgcagt gagctcc 337

<210> 51
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(308)
<223> n = A,T,C or G

<400> 51
gtttcagcag agcagcttta ccatttgggc tggtgaggcg agaattatcc tgtgaaggtt 60
attctataga tctgcgatgc ccgggcagtg atgtcatcat gattgagagc agctaactat 120
ggtcggacgg atgacaagat ttgtgatgct gacccatttc agatggagaa tacagactgc 180
tacctccccg atgccttcaa aattatgact caaagggaca tctctgaagg tctctgccaa 240
ctccagagct cccgccctga ggaatttgct gggcttttgt tgcgantgnc tngaagttcg 300
ccctttaa 308

<210> 52
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 52
gctggagtgc aaaggcgcga tctcggctca ctgcaacctc cgcctcccag gttcaagcga 60
ttctcctgcc tcagcctcca gaatagctag gattacaggc gcatgccacc acgcccggct 120
aatttttgta ttttcagtag agaaggggtt tagccatgtt agttagccag gctgatctcc 180
aactccgacc tcaagtgatc cgcccgcctc ggcctcccaa aatgctggga ttacaggcat 240
gagccaccgc gcccagcccc aggcaacata ttttcttaag gnanctttta anaaggccat 300
gcatttccac atttccacac ctttcattac t 331

<210> 53
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 53
tttttagcct ctgaattaag agttctgcat aggtagccat ggtgaagtct ggaaacacgt 60
tctcagtgcc tcaaccagca gctacaagtc agagtcaagc ccattatgac cccttcttcc 120
tgcctgagct ttggccccag atattctgag aggggttgga tcctccaggg catcgacctc 180
acagctctgt cttctgtcct gagctcttct cctggcatgt aaattcagga ctcagataag 240
ccctgccctt catagccacc ttggatgctg cgtgactacc tgngaatcan ggaggactgg 300
aaaagacatt agggagggta cc 322

<210> 54
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 54
atttctggaa ataaattcca gaataagagt tcatcctgcc gatccagagc cacagtttgg 60
agacgctgca ttcctagatt gaaggcctgg ctcctggtgg acagccttct ctctaaagct 120
actctctcca ggttctggca actgcagcca aagggccaaa gtgtatgact caggagtgtt 180
acttgaattc ctggaaccag ctatgcctga agtcaatcca ttccagttgc actttcttca 240
ttctaaatct ccctgttctt tcaaggatgc ctgggttgcg aacngggntt ccnggganggg 300

taatgacaaa gnggcttatt ccccataaat 330

<210> 55
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

<400> 55
angcaaaaca tcgcatcttt ccattttata ggacaatgcc aactcctgaa gatcttgctc 60
taagtggtca aagggtgagc atactgcagg caacaaaaga tcgagcatac tacaggcaac 120
caagggtcaa gacaaattta caggatccct ccctaccgtg gccactaccc agcttcccag 180
tagtgccttc ctaatttgct gcccatggta atggagacaa atacctgcag aagaacataa 240
tcaaaactca aaggaaagta aggaggagca agtttttta aaagggattc cagttggcaa 300
tcctcttgtt actaattctt gttga 325

<210> 56
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 56
aatccccaaa ctcaatgagg acacgttttc ctcccgagaa cagcagaatg gtaacaaaga 60
acacatgaaa agaaaatgct ttcaaggacc aaaggaattc atctacaaat atggaatttc 120
cagcatggaa gtcagtgaca aagccctggc ataccccat cgcaggtgtc gtgagaacac 180
cgtccagtgg gacgaggcca gccctgccct gagaagctga gattcccacc ctacctggag 240
ggagctgagc accctcacag caactctgag cccctgactt caaanggaaa ctttttcct 300
gtggtatcag acgtagaggg cgggctcttt 330

<210> 57
<211> 199
<212> DNA
<213> Homo sapiens

<400> 57
gtggcatgat catggcttat cgtagcctca accttctgaa ttcaagagac actcccacct 60
tagcctccct gagtaactgg gaccacaggc atgaaccacc atgcccagct acctttaaaa 120
aaatagagag agagacaggg tctcactatg ttgttcaggc tggtctctaa taaattgtta 180
ttaccaatga aaaaaaaaa 199

<210> 58
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 58
actgagttct ttgccttgga acacgacgag gaccttctcc ttcctgagag gggacacgcc 60
tttcatcatc ttctgctaag aggcgcccct ccaccaccct gcatgagtaa gacacagcct 120
ccctgcagca cagaggaggc ttntgtgagt gcccanggca tcaccaaggt cagggagaac 180

ctcttgaggt aactngcatt tgtgtcacga agccgaanag ggttgcaggg gattgcgtga 240
tccccatcct gntcatgggc caccacccca ntccactcan aagataaggc ctcctngatc 300
anatncaatg actcattgca tgttatcccc gcacttttan aagcttangt nggcccgatt 360
ggctgaaccn cattantttt taagaccatn cctggccaan aatggnggaa ccccatttt 419

<210> 59
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 59
ggtttcatca tgttgtccag gctggccttg aactcctggg ctcaagcaat cagcccacct 60
ctgcctccca aagcgttgag attacaagcg tgagccacca ttcctggacc ctcgtagttt 120
ttctggagcc tcgtgatntg atatgatctt cctgccgctg attcctcaca gtattggctt 180
gccacacctc caggggcact gatcacattc tacctggcat tatttcatct gagtncctgn 240
cctanccctt ctgcccatta gactgtaacc ttgtttaggc 280

<210> 60
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = A,T,C or G

<400> 60
aatggagcta ccacatggtc aggaggaaga gactcacaaa gaaagatgaa ggttgcagag 60
aggtgctatg gaaatagcac atgctaaagg agtcttctaa gcagcccana ggcgatgaca 120
taccagtgcc agcagaggag gagaaccacg cttcagtata acaaaaactt cnatgaatca 180
tgcncaatgt ggaaaagtcg aatagacatg gctgaggata aaagaaaaga acgtacacat 240
aatctcacta cccagagaga agcaatgttg acatatttct cttcctcaat gcatatttat 300
atattgttga tatttttact gtctgtgcaa ttttgcttta attaaacatt tagattatg 359

<210> 61
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(70)
<223> n = A,T,C or G

<400> 61
nantcattat gnntnctgtt tncctggatg gactccgact ganagatana cgccattgac 60
gcatactcgg 70

<210> 62
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 62
cttgattaca gcagcntgat gctttgcctg gataaacaaa ngctctnngc naggaagaga 60
ctttnggacc agcaagagac tagantngaa acagagttta aacaagcatc ataacccctg 120
aagcnaattt tatcatgatt tcaatttgca tattaagaaa ctaagatttg gaaaaaaa 178

<210> 63
<211> 167
<212> DNA
<213> Homo sapiens

<400> 63
gtgaagaatg aaggaacatt ccaggatcaa gtttcctaaa atttggaaat aaactgtgga 60
aattctccta agtttagggg gagacagaac cacctagaat cactgacacc ttgattcaac 120
acaatccgca gaccgggtga ttaaataaag cactttggtt ttttcat 167

<210> 64
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 64
gggcattcaa gataagccat catatcccct gtggcctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattgctcac 360
acaaaaaaaa aggnnggggg ggncnnnncc nattttgggt tnaaacnnnn gnanttnttt 420
ttaaaagggg ggggg 435

<210> 65
<211> 355
<212> DNA
<213> Homo sapiens

<400> 65
agctggagcc tcacttttc acccaggctg aagtgcagtg gtgtgatctc ggctcactgc 60
aacctccgtc tcccgagttc aagcgattct cctgcttcag cctcctgagc agctgggact 120
acaggcatgc accaccatgc ccagcttatt tttgtatttt tagtagagat ggggtttcac 180
catattggcc aggctggtct cgaatcctga cctcgtgatc cacctgcctc ggcctcccaa 240
aatgctggga tcacacgcgt tagccaccgc acccagcctt atttacctat taaagagcat 300
attgattgct tccaagtctt aacaattatg aataaagctg gtatggactt tcaca 355

<210> 66
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

<400> 66
gatgtggcag aagtgaccct atgtaactca gaaagaccca accttaagag cttctgcttt 60
cctgcttgga acacccccta ctgaaaacca gctgccaaac aaaagggcca ccatgctgtg 120
aggaaatcca agccagccag tgaagngaat agtcacatga aggacgacca aggcacagtc 180
atatgagtga agccttcttg aacattccag cctagctgtg gatgaatgca gcaaagtgag 240

tgatccagtc aacgccataa gcaacagaag aacagcccag ccaagccctg cctgaattcc 300
tgagccatga ttcataagca aattaaacag ttattgtttc 340

<210> 67
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 67
gtatacgccc agatggcctg aagtaactga agaatcacaa aagaagtgaa tatgccctgc 60
cccaccttaa ctgatgacat tccaccacaa aagaagtgta aatggccagt ccttgcctta 120
actgatgacg ttaccttgtg aaagtccttt tcctggctca tcctggctca aaaagcaccc 180
ccactgagca ccttgtggcc cctactccta cccgccagag aacaaacccc ctttgactgt 240
aattttcctt tacctaccca aatcctataa aacggcccca cccttatctc ccttcgctga 300
ctctcttttc ggactcagcc cgcctgcacc caggtgaaat aaacagccct tgttggttac 360
acaaaaaaaa aagggccggn ggggccantt aanntgggan taaacnaggn ngannttgnt 420
naaanggggg ggaccccca 439

<210> 68
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 68
ggtctctgtc actgaagctg gagtgcagcg gcgcaatcac agctcactgc agcctcgacc 60
tcccaggttc aagagatcat cccacctcag cctccctagt agctggaact ataggtgcac 120
gccagtatgc ctggctactt tttgttttta tagagacaca atctcactat gttgcccagg 180
ctggtctcat attcctgggc tcaagccatc cacctgcttt ggcctcccag agtgctggga 240
ttacaggtgt gagccaccat gcccagcctc gaatttcctc tacttggcct gaagcagaaa 300
gccacagaca acagagacct aagctnctaa tgaataaaga acccccc 347

<210> 69
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 69
gccctgcact cgatggatca gctggcacca cccagatcaa taaactggct catctggtct 60
tgtggcctcc atccaagtac caactcagtg caagaagaca gcttcgaccc cgtatgattt 120
aatctccaac ctgaccaatc agcactccct actccctggc cccctaccca ccaaataatc 180
ctcaaaaaaa cccagtctcc aaattttcag gaagactgat ttgagtaata ataaaactct 240
ggtctcccgt tcaaaaaaaa aanggccagn gnggccantt nanttngnan ttanccnggn 300
tgaanttgnt naaanggggg ggcttacc 328

<210> 70
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 70
gccaaacatg atgactcaca cctgtaattg cagcactttg ggaatccaag gccggaggac 60
tgcttgagcc caggagttca agaccagcct gggcaataca gcaagacccc atctctacca 120
aaaaaaaatt taattagctg ggcatggtgc tgtgtgtata tagtttcacc tactcaggag 180
gctgagatgg gaggatagcc tgagtccaag aagttgaagc tgcagtgagc tgtgatcgca 240
ccactgcact ccagccttgg caactgggga aagaccctaa ctcaaataaa atttaaatat 300
atatatacac acacacacat atacacacac acacacacac acacacacat atacacatgt 360
atnttttgta ataaatggat aaacac 386

<210> 71
<211> 459
<212> DNA
<213> Homo sapiens

<400> 71
aaactgcacc tcactggctg ggaatgagga tatcttatgg aagattctta tttttggaac 60
tttttgaact ctctctgttg gcttctgaaa gctgaatgct ctttcaaagg acctgaagat 120
ttcttttgtc ctcagttaca ttgagcccac atttatgagg cactggtaaa acatttctgc 180
aggagggagt tatgtgcatt gttcctctta gagaaacatt gctcacacta actcctgact 240
gcatgcattt tgcaaatgca cagctcagtg agtgtgtctt cccgttgttt gtggtttaca 300
atcctgcaag aaatggcttt ctatgaggca aaatggataa tggcctttta ttttaagtta 360
caaagagttg ggtggcaagg gggtagggaa ggcaacccta aatgctttga atgaattatt 420
gaattgacat ggtccaaagt gacatttctt tttaaaatg 459

<210> 72
<211> 528
<212> DNA
<213> Homo sapiens

<400> 72
gtaccagggg aatctatacc tgaagcatta ctggagtcaa gaaatttgac tatggtgttg 60
ctgggcatgt gtttccttga gtatattatg attggaattt tcccaccttc ttgcattttg 120
aatatatgcc agcatttctc caagatgtat atcctagagc aaaatttctg ggccatagac 180
agagtcttgc tctgtcgccc aggctggagt gatgaggccc gatcatcact ccacctgggc 240
tcactgcacc tccgcctccc gggttcaagc gattctcctg cttcagcctc ctgagcagct 300
gggattacag agcccctgtc atccagactg gagtgcagtg gtacaatccc ggctcactgc 360
aacctccacc tcctgggttc aagcgattct cctgtctcag cctctcaagt acctggaatt 420
acaggcatgt gccaccgcac cccatgtaat gtcccgatct tgatggatgc actctggtta 480
tagaaatgtc ctcattttaa ggaaatacat gccaaagtaa gtaaaggc 528

<210> 73
<211> 296
<212> DNA
<213> Homo sapiens

<400> 73
gttcaactca ttgccacttc ctgtagctgt cttagtgacc cttcaggcca gaagcagatg 60
cctgtgctgt gtaccatgcc cctcctgctg ctgaactgga gagaaaacgt ggctggcagc 120
ttttgtttct tgagaagttc cgaatctttt gcatctggtg ctgcgagaag gttcacctgg 180
ttaaacatcc tcaagtcagc agcacagctc cttctggaag gcactttaac tggatgggat 240
cctctcactg tagacattgc tacctccctt tcctgaaata aagcctgctc cagagc 296

<210> 74
<211> 410
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 74
gatgaatggt cagagctggt cacaagctga aggtggctcc tccagtggct ctcacaaacc 60
caacccctc catgtcatcg caaaggctga ggagatcagt atttcaccac acctttgtgc 120
ttcacttagg tatcgcaagg aaggaaaact gtctccatct gaagaggaca tagccatgta 180
tctgctttgt tctcttcttg atttccacgt tccccaaaat gggcagggct ggcttaaaaa 240
gcaatggaga aaaagttctg gagatggatg atggtgatgt tctcacaaca atataaatgt 300
acctaatgct acagaactgt acacttaaaa atgcttaaaa tggcaaattt tacnttatgt 360
atttttgact ctctgtctcc cccaaaaagc aatgaaggct cttccttttc 410

<210> 75
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 75
gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggnctt gngaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
cctactgagc accctgtgac cccactctgc cgccagaaaa caacccccct ttgactgnaa 240
ttttctttac tacccgaatc ctataaaacg gccccccccta tttcctttgn tgactctttt 300
tttggactta agcccactgn attcaaggng aaataaacaa gctttatttg ttacacc 357

<210> 76
<211> 219
<212> DNA
<213> Homo sapiens

<400> 76
tgaccttggg atctcctgaa ggaaaagcat tggagtagaa gtaagagctg actgtgaaag 60
cctgaggagg agctgcctta ttgttaaggg gtagcaagaa gcccaggcgt ggcagtccac 120
gcctgtaagc ctagcacttt gggaggccaa gatgggagga tcgcttgagc tcaggagctt 180
gagaccaccc cgggtaacat agcgagacct cgtctctac 219

<210> 77
<211> 401
<212> DNA
<213> Homo sapiens

<400> 77
agttgagaaa tagacggtcc acagcggaca acttagaatg gaataaggga gatgtgtttg 60
aggcactacc attggaagat gtgctgggga gaagcccagc ccagcaacat gcggcaggac 120
cacatctcgg cagagctgaa gacagagacg ttgcagcgac aaggacaact ggcatgcctc 180
acattcctca gtgttgaaaa caataaaagg agggggaatg agagaaaaat caaatttcta 240
cgaagagatg tcagcagtaa atttaatgca ggtgcaatat tctccaaaca aaggacgttt 300
tgtttctacc gtctgggctc tgtgaaaacc tgctccacct cctccttgct atgtgttttc 360
ctttttatct gtgtaaggta gattaaaatg ttgataccct t 401

<210> 78
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(387)
<223> n = A,T,C or G

<400> 78
ctgaggactg tatcgagnta caaacgtcac cagcaatgaa tgaaagtagc tgatgcccca 60
catcctcacc agagtgagtt tcatcactaa gacaaagcaa aacagccgga agcagtgact 120
catgcctgta atctccacac tttgggaggc cagcgagggc ggatcacttg agctcaggag 180
tttgagacca tcctgggcat cagacctcat gtctacaacg gaaaaaagac atttagccaa 240
gcgtgttggt gtgtacctgc agttctagct ccttgggggg ctgaggtgtt agaatggctt 300
cagcccggga ggttgaggct gcagtgagct gagccgtgat cgtcccgctg cactccagcc 360
tggatgtcag agtgagaccc ttgtctc 387

<210> 79
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 79
aataaaggca actgctgggt gtgataagct cgtgcctgta gtttgggagg ccaaagcaag 60
cagatcactt gagccccgga gttggagacc agcctggata acatcgcaaa atcttgtctc 120
tacaaaacag acaaaaatga ggatcgcttg agcccgggag gttgaggctg cagtgagcca 180
cgtttgagcc actacactcc agcctgnata actgagcaag accctgtctc aaaacaaaac 240
aaaacaaaat aaacaaaaaa ggccagcgag gncnattcag nttggactta accaggctna 300
acttgctcaa aaggnggggа ctacccagga a 331

<210> 80
<211> 151
<212> DNA
<213> Homo sapiens

<400> 80
agtctcgaac tcctgacctt gtgatccacc cacctcggcc tcccaaagtg ctgggactac 60
aggcatgagc caccacactc ggccaccttc actgattttt tcctttcata tttctcttta 120
taagtcttct attaaaatga aaatgcttca g 151

<210> 81
<211> 305
<212> DNA
<213> Homo sapiens

<400> 81
aaaaaggaaa tgtgatcaac ctaaacacca agggaagact gtgcatcatc tcatccacaa 60
gacaaacaaa atgcctcttc cagctttgtt acaggaaaaa tcacagatca ataagaaaag 120
ctgatgagaa aacaaagcaa ccagaaaaag gtggcaaacc cacactgtgt atattgagaa 180
atagaactgt cttcaattag aacaacagat ttgccataat ccataaaatt catgttatga 240
gagtttgaag cagttatgta caatgtttta tactacaaag tagataaaga ccctccatcc 300
cacct 305

<210> 82
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 82
aataaaggca actgctgggt gtgatagctc gtgcctgtag tttgggaggc caaagcaagc 60
agatcacttg agccccggag ttggagacca gcctggataa catcgcaaaa tcttgtctct 120
acaaaacaga caaaaatgag gatcgcttga gcccaggagg ttgaggctgc agtgagccac 180
gtttgagcca ctacactcca gcctggataa ctgagcaaga ccctgtctca aaacaaaaca 240
aaacaaaata aacaaacaaa aaaaaaangg ccagngaggc caattnagnt nggacttaac 300
caggntnaan tngntnaaaa gggggggac 329

<210> 83
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 83
gaaggacact tctataaaag acggagttgg ttgtacttcc catgaaacca ttattgaaga 60
cacacatttg cataacagca atgagagaaa aagtagattc ccgaggagaa gcactggaaa 120
ttaacataca acataaatgt gtcataagaa aaagttgaaa attgtggctt ctaatgagtt 180
atctgaaaaa cacttaacat gagatacatc tctcttaata aattgttaag tgcactggac 240
aatattgtca attataggca caaggctgta cagcagatgt ctagaactta ttcatttcat 300
gtaactgaaa ctttatactc attagatagc aacttcccat ttccacctct tcatggcccc 360
tgggaatcac ctttctttct actctctgct gctatacatt tggctacttt agagatctca 420
tacnaataaa tagaatcatg tgg 443

<210> 84
<211> 352
<212> DNA
<213> Homo sapiens

<400> 84
ggagacacca cctctttgct tctccaaggc tgtttgctgc atctgaaaag acaatctgga 60
acaagaggac agtcaggcca gccacagtgg ttcatgccta taatcccagc actttgggag 120
gccgaggcag gtgaatcact tgaggtcagg agttcgagac cagcctggcc aacatgagga 180
aaccctgtct ctactaaaaa tacaaaaatc agccgggtgt gatggttgca cctgtaatcc 240
cagctactcg ggaggctgag gcaggagaat cgcttaaacc caggaggtgg agattgcagt 300
gagccaagat catgccactg cactccagcc tggtgacaga cgagactccg cc 352

<210> 85
<211> 268
<212> DNA
<213> Homo sapiens

<400> 85
gtgctgaatc caacagcagt ccctactaag cttcctgcac agattctgtt tcctggagaa 60
cctgatgtac aacagttaaa gtgcagagaa accctctgcc aaactttggt gtgctttaaa 120
agttatggca gtcaggctcc ctttactgtc ataactggaa caccttttcac ttttcaaaag 180
agctggtgta tctgcttgct gtacaactac aaatatatac ttttgattaa gaaagttgag 240
aaaaaataaa agcagtttaa tttagccc 268

<210> 86
<211> 179
<212> DNA
<213> Homo sapiens

<400> 86
gtaacccttc agaatgttga agactgttgt acaaagtaat taatgagctg ccctggatct 60
gaggcaagcg acggaagagt caagatgact aaaagtcttc tgataaaggg tttctttaag 120
gaaaagaaaa tcccacaatg caaccagcaa tgttaatctt caataaatac gctgttaat 179

<210> 87
<211> 362
<212> DNA
<213> Homo sapiens

<400> 87
gactggtgcc cttacaagga gagtaagtac cacctcatca gggccaccct catctaccag 60
agagctctcc ctctgtccat gggcacacag agaattggcc atgtgaggac acagtgagaa 120
gacagccatc tgcaaaccag gaagagagtc ctcaccagaa cccagccctg ccggcacctt 180
gatcttggac ttccagactc tggaactgta ctaaccagaa gttcaagcta ggggttggag 240
aaggaaggtc atacatacag aagcaagaac ctcaacccct agaactgcta tgaaaatcaa 300
acaaaatgct atttgtaagt agtcttcctg tgctggacta aattaaaaga actttgcagc 360
tc 362

<210> 88
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 88
tctgactttg agccaggact tgaagcagac actatggctc atgcagaaaa gaaacttctt 60
cccacaagac tgccagcgaa attttgcaga ctcaagatgt tcggagagtt tggacaatca 120
tcacagtttt tggacgccta tctgagacca tcttctgtga agtttattca gctcataagt 180
gtgaataaaa aattgctaaa tgtgaactca aagagacagt gcagttttac atctgagtcc 240
actgaatgca tcacagaagc agcatgtgca gcaacaggag tccaatagcg tcaaccacca 300
ggaaacaagg atcacggagc atgtgagaaa atggtaattg agaaggctga tcaaggaaca 360
cactaaaatt ggaggcatga aacacttggc gaaatggtcc catnggtcca tctggggatc 420
ctgggaacaa g 431

<210> 89
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 89
gtttggaatc caaccaccaa gttctgctga acgaatgatt ttataatcag ctaactctgc 60
ccacgatgga nagcaaaggc cagtttcaca gacccaaata catttggcct ctgaacgaca 120
tggatttgaa ctgngaggat ccatttacat gtggattttc ttctgcctct gccgtcccag 180
agacagcatg accagccact catcctcctc ctcctc 216

<210> 90
<211> 260
<212> DNA
<213> Homo sapiens

<400> 90
tttgcaaatg atttccaaat ataatttctc atcggaatct cacaaccacc aaatacgacc 60
aggcattatt catctgattt tatagatgag gaaatcaagg gtcagagaag tgatgtgact 120
tgcccaaggc ccacagatgg taggtggcaa agccaggact tggaatccaa gataaagaaa 180
actcagtggg aaggagaagt ttgtgattaa atccaattaa aggaatagag taaaataaag 240
aacacagtaa atttctcacc 260

<210> 91

<211> 265
<212> DNA
<213> Homo sapiens

<400> 91
atgatgaaaa tgatcctcag aggagcattg ttaataatca aattaccaaa gaatgatgcc 60
tactctgaat ccagatgtct gacttcacag gacaaaacca ctgcatttac tgttctcaaa 120
tgatttattt taagaattta cgcttctaaa tttaatccct gagggtaatg ggttatgtct 180
taaaatatgt aatggaacat taaaaaaatg aattctttct tgcttggttt cggccaaaat 240
gtaaataaac tgaatatcaa atact 265

<210> 92
<211> 326
<212> DNA
<213> Homo sapiens

<400> 92
attccctctg acctgctgcc cctggccttt ctcctgcccc agtggggctt tagcacaact 60
gaccgctgct ttcctgcgct ctgtggccag ggaactcatg tggtgaagca ctctggagtt 120
tggctttgca aagaagtgaa atctacaatg caaatatcca gatctccaaa ccctggtcaa 180
atggcagtga ctgaagctca tgccccacct cccagctgtg caaccttggg gcaagtcact 240
tcacctctct gggcttcaac ttcctccttg gaaagacaga atgccaacat ccatcctgcc 300
tcttgccaag atgttttata gactgc 326

<210> 93
<211> 367
<212> DNA
<213> Homo sapiens

<400> 93
acggagtttc accatgtcgt ctaggctcat cttgaactcc tgacctcggg tgatctgccc 60
accttggcct cccaaagtgc tggaattaca gaagggagcc accatgcctg gcctggagta 120
tataagtgct taagaacctt gttcaaataa gaaggaacca gaaaaccctt cgttatagca 180
attgctctct cttgaaattg ctccagatcc ataacatctc tcttcatgtt cgggatgtgg 240
atttcatgaa gatattttga aggtgctgct gagacaatgg ggcttttcta tataaacaaa 300
gtttttatta gctttttttgc ttatctggat tttactgcta attaattaaa gcccaatact 360
ttttcag 367

<210> 94
<211> 371
<212> DNA
<213> Homo sapiens

<400> 94
ctgccctgtg tttgacattt ggtgattgta ttcctttcct gggacagccg taacaaaacg 60
ccacaaactc agcagcttca aacaaccaaa atggattctc tcacagctct ggaggccaga 120
aggccaacac tcaaggtgta ctgggaccgt gctccctctg aagcccccag ggaagaatga 180
cttccttgcc cctgccagct cctggtggtg gccggcggtc ctgctcgctc cttggcttgt 240
agacacatct ctcccatctc tgcctccacc accgcgtggc cttctctgtg tgtctgtgtc 300
cagatttccc tcatataagg gcatcagtca ttggactggg gccatcctca tacaacatgc 360
tgttagcctt g 371

<210> 95
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 95

gtcaaatctg gatactctct gctgaagaca accaatatta atgaatcaca ctacagagtc 60
attgtctacg atcccaaagg aaacaataat gcgagtacaa caaattcttc ttgcaagaga 120
aaatcctgca aaactactta acagaataac actggtcaat gctctaatca tacatttgtt 180
aaaccttata taatgttttc aaatatgcat gcaatccagg tgcagcttta actaaaaatt 240
cagtctaatt ttattttcag tttaggttct tggagcaaac atctttgcat aaatatttgc 300
ctcactacta gcctctctcc atataagaaa ccatcatttc tcttaaaaaa aaaccacaag 360
ttgttttatt tccacaatag gnatctaaaa gatcattttt aaaaaaaggc agctt 415

<210> 96
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 96
gtggaggtgg ggaggagctt ttgcangcct gttgaactaa gaagctgtga cagggcgtga 60
gatatgtcag caatgctggt ggtgccagag gtttctgaag ggtctcactg tggtgcctat 120
gctggagtgc agtggcacaa tctcggctca ctgcaacctc tgctttccgg acttaaacga 180
ccctcgatcc tcccacctca gcctcccgag tagctgggac cacaggtgca taccacgaag 240
cccggctaat ttttttgtgt ttgtggtaaa gacgggcgtt tcaccatgtt actgaggctg 300
gtctcaaact cctgagctca agtgatttac acgcctcagc ctcccaatgt atattttctt 360
tgcttccaaa atgattgttg agagtaaagc ttttgatgta cacatat 407

<210> 97
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 97
agtggntgag gaattgtcaa ttgcttcact aagtaccatt aatacggcaa gatagcagta 60
atcagttcca cagaagtcat atcattctca ccctgggatt gntaagatct agacatggtc 120
ttgctgtatt gccctcaaac tcctggcctc aagtgatcct cctgcctcgg cttcccaaat 180
tacaggctgg acttcatgtg gtatagcatt tcttaaaagt ctcaaagaag tcaactctgt 240
aatataaagt cctcatatga atngattcta agttgtagnc agccactaat aaacacacat 300
gcttac 306

<210> 98
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G

<400> 98
ctgntgcgct cagccttgaa caccctcccg accttggggc tctgctgccc cacgcggagc 60
ccccatttca acngatgcag acaccccaaa gccccttccc aacagcccga agagaagccc 120
tcctctgaag agacagcaga gaagcagagc cccctgggac gccccccaag acctccacgt 180
ctccccagca cccggcgggg gggtggtgc 209

<210> 99
<211> 229

<212> DNA
<213> Homo sapiens

<400> 99
aaggctaaag ctctataacc attgaaagct ggctgggga aaagaagaag aggcaaaaag 60
atcaactgaa gaataaactg ctgtcattgg cacaaaagaa taccacaaag attatttaca 120
aaactcgaat caggagtaga acagacctcc atgtggaagt tcaattatgc taagaggaaa 180
gaggaaaggg gaagagttta cagaaataaa ttaatgatga tgataaact 229

<210> 100
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 100
atgangtgct gtgctggaca acgctgcctt tgggcttcgg cttggaccgt ggggaggcag 60
agcaatgatg ttgttaggat taaatgacaa ccagccttct gttatttctg gaagattttg 120
gaacttccag agaaggcagg agtgagctgt cggggaagga acgacgtctc cttcaggaat 180
tgttgccagc acttgggtca tgaagccctt ctctgtgtct cctccgactg gaatactcat 240
cacgtcctct tagctgataa caatagctga ctttaataag tgtagngctt cctatatatg 300
tgtatgtg 308

<210> 101
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G

<400> 101
ttcatgaaat gggaagattt tgctggatta tctggttggg ctctaaatgt attcaaagtg 60
ttcttagaag aaagaggcan agaaagagct gacacacaga agagacggtg atgtgaagac 120
agtggagaga gagagatctg aaatgctgcc cttgaagact ggagtgaagt ggccacaagc 180
caaggaatgc ctgcagcctc cagaagctgg aaaagacaag caatggattc tccaccagat 240
cctccagagg gagtgcagcg ctgccaacac tttgaactca gcccagttat aattattttg 300
gacttctcca gaactataaa agaataaata tttgaaacc 339

<210> 102
<211> 75
<212> DNA
<213> Homo sapiens

<400> 102
aaagaacgtt ttctggagaa agatacgagg tgccacatca gagatactta ttaagaccaa 60
taaaccaaaa tacgg 75

<210> 103
<211> 489
<212> DNA
<213> Homo sapiens

<400> 103
atatttcctg aacacctact atgtgctgca agtactgaga tccacagtgc aatccggcag 60
ccagggagca cccccgatca cagacactgt ggccccgcaa tggatgggcg cttccattgc 120
tggagctcac ttttcctgct ctaactgcag gagctgggaa tttgaactgt ttctctcact 180

tctgggtccc agcatttaga acagggctcc actcacagca gccactattg ctgaagaagc 240
aaatcccgcg ggattgcttg agtcctggca cgtgtgaaat gcctgccaag aactgcagag 300
gacagagaca cagtgctcca aaagggttga atggcaactt tatcatggac attttggtga 360
ttacaatatc tacatttcct gggggggtctc agaatcacag aaattatttc aagttagtcc 420
gaggctgctc aacgctgagg tcaaaacatc tgagagaaaa ggttaagtaa aaaatctggt 480
tgtttctat 489

<210> 104
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 104
gaaagccagc tgccatgtgg tgagtgtcaa ggcctctgag cccaagctaa gccgtcanat 60
cccctgngac ctgcacgtac acatncagat ggccggaagc anctgaagat ccacaaaaga 120
agcgaaanta gccttaactg atgacattcc accntggtna ntcgntcctg ccccactcta 180
actgagntga tatattctcc cctncacccc acttaagaag gtactttgca atattcttcc 240
cactcttgag aatgnaaatt tgtacaccta tccccaaacc tataaggaac taatgataat 300
ccccccccacc ctttggctgg actctctttt tcaanactca ggcccaccct tgcnnccccn 360
aggtggaaat aaacagccct tgttgcttca 390

<210> 105
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 105
ttgacgggca gtaaatattc aagacaatga tganggcatc atccantgtg atattncngn 60
tgnnngncnt aactgaanan attgcaccac aannnaagtg natatggnct gttcctgcct 120
taactgatga catgggcttg tgaaattnct tctccaggct natnctggnt caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccanan aacaaccccc ctttgactgt 240
aatttttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatt caggtgaaat aaacagcttt attgctcaca 360
c 361

<210> 106
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 106
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctccaggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aatttttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgctcaca 360
caaaaaaaaa aaggncnggg nggccaattc agntnggact taaccaggnt gaacttgnnn 420

aaaaggggggg gac 433

<210> 107
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 107
gttaagcact gggaggcaca gatgtatgag gacttgccat ctaggagtca gagaatcagc 60
acatatcttg tcatgtcata gctgaagagc tgccacctag acctgttcct gctgcttcac 120
tctggttttc ccatggccca tatggaaggg aaccagggtt gggctaccac catttttgc 180
tcccagattg gaggatgggt gaggcctctc catcccagct tccctggata acttagttta 240
agcttatgac acatattctc tgaaaggcaa acccatgagg tgtattcaca aagaggacat 300
caaatcccac ttggagtctt gtgtcattaa accattacag tcagccctcc atatccctaa 360
gntctgcatc catggattca accaccc 387

<210> 108
<211> 327
<212> DNA
<213> Homo sapiens

<400> 108
gtgtatcctc acccttctac gctccatggt gatcttcctg ccaagatttt tctccaatca 60
aaagtccatc ttccactttc tctttggaaa aagaatgcgt aacagtctca ctactgccca 120
tcacctattc cctttcactg acatctcccc aagcccaact atcattttct gcctttaaaa 180
aataactgga atttatataa atcaatccaa cgcctatcat agaccttggt tcacagtatg 240
cattaaaata tgtattggtt gatcattcct tctgcagtgt caagcactgt gccaggcaac 300
agtgattaaa aataatgaat gaaaccc 327

<210> 109
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 109
attttncata tggcttagaa gaaacaagct gacatgttgt gagctaccca agaagagagc 60
catgggacaa ggagctgnga ccagtggcca gcaagaaact gaagccctta gtttaacagt 120
ctacaaggac ctgaacactg ccaacaacca catgagcttg gaaacagatt cttcctcagt 180
caaggtttna gatgagaact tcatccanag tagcactagg attgtgctgt acctggtctc 240
ctgacagaga atctctgaaa taataaatgt gtattgtttt aagccag 287

<210> 110
<211> 129
<212> DNA
<213> Homo sapiens

<400> 110
actgtatccc agccactatt tttccctcaa cgtcactaaa tgcaagggaa taatgaaacc 60
acaggagaga aaaaagcagc tgtctgaata aaagaagaaa gaggtagatg cacagaaaca 120
gacggacat 129

<210> 111
<211> 462

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 111
tttgccaacc atggattaca gagcaaacaa aacaaaaccc caaggacaaa ataaagaagc 60
agaacacctt gaagaaagag ctgattccaa ctctgaagtg ggaaatgtat aggatgggcg 120
tggtagaaga tcagaaagct atcaaaaaca attgaggaca tgttcaaaga actcaggtga 180
caaaagagga tcccactggc caaaaatggg acaatgaagt cttatccatc ctcctcttta 240
ctgtggtccc cagaactgtg tcttgaacat ggcaaaaact tgttcagctg tcatgagaag 300
ttgagtgatg agaccttgag cgggaatcat caatgaaagg gccaaggaga tgagatggag 360
cattgtaatc aacaaaagtg cttaacccaa gaaggggtgn cccttattta attacctttg 420
anaatgcttg tnttttaacg ttacaaggta tggcaagaca at 462

<210> 112
<211> 257
<212> DNA
<213> Homo sapiens

<400> 112
acatgccatg tgctgggcat aggaagtgct gtttcagcca ccccaaggag caaccatgag 60
tccagcgtgc ctgctcgtca cacctcctcc tacccctgag cgccacttct gagttgctca 120
tcagcatccc cagctcccag atggctgcct ttgtcccctg ctttcacagc atggatgtga 180
aaggagcagt agattaagaa agacccaaga taacccgtga aagatattca ctgtggattg 240
acaataaaag ccattag 257

<210> 113
<211> 91
<212> DNA
<213> Homo sapiens

<400> 113
agacaatctt actatgttgc ctaagctgat cttgaaatcc ggaactcaag taattctccc 60
cctcccagag tgctaagatt acagttaaaa g 91

<210> 114
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 114
aagacaacgc gaaaacagaa gcnnggatca gagngatgca gtcacaaatt ncacaatncc 60
agggcnnnca acagcagcta ggagaggcaa aaatangaac cctgattctt ccctgcancc 120
cctggcagga gtgnggttct actggggttt ggacttctaa cctccaaaat tgnnaaagaa 180
taaatttcng ttgcattaag tcctc 205

<210> 115
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)

<223> n = A,T,C or G

<400> 115
cccttgtgtt tttggagttn taaaactgaa gccatgtggt cacgtttaaa tggcagagta 60
ttaatcaact gaaaatnant atttntgaaa tccaagggca ataaaaccct gtggaagcnc 120
ccacccccta cccattactc aaattcagac acnannagac tgcgtctgtc ttcatcctca 180
ccatgatgac ccttcatttc aagcaatgga atatttacag catcatagtg gagcttgggg 240
tacaagtggg gcatggtgct gatagccctg tgttcggtgg gacactgccc tggtggtggc 300
aactggtgca tgcttcagtt ctcctccttg atcctcagcc acgctcaagt cggtgtttgc 360
tgcgcaactc agcgtcgctg ctgcccctgc taatgagaat tacattgtca tgtaataagt 420
accttccttg agtncatgaa aataaaaaaa aagtcttaaa aagg 464

<210> 116
<211> 288
<212> DNA
<213> Homo sapiens

<400> 116
gtgagaagaa tacttgcatg cttctgcttt ggtcctttgg cacagcagct cttagaacat 60
aactgcctca ctcggagaaa gctggagaga cccacaagga gaaaaaagga ggctcccagc 120
caacaaccag cacagctttg cagcaaaatg agttggccat cttagaagtg ggctggctag 180
atcccgttga accaccccac ctactcttcc tgaaacagac acaagccatc ccgctgagcc 240
ctagtcaaat tacagattca tatgcaaaat aaatgcttat tatttttt 288

<210> 117
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 117
ggggatattt ttttttcata anacctgcct gtgatgtttc tctgccgtga atcatgtcta 60
tatcctcaca aaggataaaa accaaagcca ctagagcaga gtctttggat ttttctgaat 120
atggaaagca nccatgcatt acattgaagc atattccaac gtcagggaac agagcactgc 180
ttcctgtcca tgtcaccgca aattccgtgc tgagtgttac tgcgccaaag gacatgttag 240
gatgccacaa cggttctcat ctggtccgtg atactcacag gctgatgtng tacactagaa 300
agggagggct ctttccaagt tacagaactt attttgcaat atttcctggg aaagaattct 360
gctacaagct ttaatcaatg taagaaatgc tgtaactaca ttaaagtaaa ctgtacatg 419

<210> 118
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 118
aagcgccctc gagaagtgtc taaaggagac aagttgatag ccaaacaaca gttttggatt 60
cactgactga ttatgaaaga agcagtagac tggtatcaag aatcagtcag catgttcttg 120
agcatcctga gggcagggac cagccttgac gacccaccct ggcagaggct ccccagcagc 180
agctgctctg acgagatgtg ctcccaggag agagcaacac tgtgtgggga aagcccagct 240
ctgagaggcg gagaaaatgg gaagatcacc acctaggtgg gagggcggag aaagggataa 300
agaggagtac aaaataaaga tgaccttctt gcctaccagc aggctgagaa cagatggggg 360
agatcaactg ttagaaatat tttagagtgc agcaaaccac catggcgcat gtgtcctgtg 420
tacaaacctg cacgttctgc acatgtttcc caaacnttaa ataaattaa 469

<210> 119
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 119
atcccatgga gcggatggag cacatgagcc aagggtaggc gggctcagta aagaaaagcc 60
caaatctctc ttcagctgta agttggccct tcactgggct gcactgacca gacctgaacc 120
tgactatgtc atcatgactg atgccaatgg gttcatatga ccattgccat tggtcaccgt 180
attagatatg gtgacatcac tttacacact tctgagtctn tccaggcaac ttgtatgtag 240
tgtgcagtct gaagcaatgt ctaatctctc agaagaagtt ctcaaaggaa tgtttccaaa 300
aggaccattt ttttccgata tattggaaaa taaaggctca cctaaaaat 349

<210> 120
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 120
gaagcacctg cagggagcaa gctctcgagg aatttctaat taaggacttc ttgccaaagg 60
cacatcacca cactgacatg cctcatgacc tgggtaaata caagatggaa aaattgagac 120
ccagggaggt tatttaccat gccagaactt gaacccagta aagatgggct ttcataatgt 180
tggccaggct ggtctcgaac tcctgacctc aagtgatcct tctgcctcag cctttcaaag 240
tgctaggagt acaggtataa cattggacaa aagaaaaaaa attgagaaca ggggaaagaa 300
gtttccattg tctctgaggc cttccataag agcgaatcaa gaactgacct tatttctcag 360
atctggatgt aaacatgtac tctttctgcc tcctgcatct gtgacctcac catgcccagc 420
ataagcttat gctgacccca aagtgtggca gtattattnc aactcaacaa gtttgg 476

<210> 121
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 121
attgaagatg tcctggatag tgttatatat atgagcctgt gttttcagac tttatgaaca 60
ccttgaaatg agatagaaag tcatttggag ggacaactga atgacacact tctgttcaca 120
ggtaaccagg accacaagga accacaacag ggaggattac aggattgtgt tatcacctgg 180
aaaatcttga gataggaaag tacattttcc aggttccttc ttcctctggc ttccagacag 240
gttcagccaa tggaaaacac tggtggaaaa ttgaagtaca ggaggaaaca agaagccaaa 300
gttcattgaa aagttcagga aagaagaaag aagaattcat tgaaagaaga aaagaacagc 360
agtatggcag gngataaacc ccaagttttt gggtccnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnaaaagg gnncgggggg gccttttt 448

<210> 122
<211> 221
<212> DNA
<213> Homo sapiens

<400> 122
ccaaccttcc agccagagga ggcctcgtga cccagttcta cccaaacaga cccaaacaga 60
agcacctgac aagaaagtgg ttatgtttct agagctgcat cagctattta taaccatgat 120
ggcaagtccc agagaactgg tcttgccatc actgagcagt tgaaccaata ccagcatcac 180
caactttcct gtatatgaga aaaataaact ctatttcttt t 221

<210> 123
<211> 389
<212> DNA
<213> Homo sapiens

<400> 123
gaacccccgg agcttctcgc atcgggtggg accggcatcc ggtgagaccg cggtggctct 60
ctggggctga aaattccaag cagagtagcc cgaggaatcc agccatcccc gagggttcag 120
aaatgcaaat cagggctgtg tattcacagc ctggactgga gatcgaccaa aaactatgca 180
gggctcaccc ttgcggggcg gcggctaaat ttaggaaacc aaccatctgg agaatgcagg 240
catcagaagc ccctgcagct aggaggatca atttcaagtt catttttatt cactgttcat 300
agatctccca gtttttccta gcgtgttcaa gctggaaagg atttcagaga ttgtgtcacc 360
tagatttatt ttacagaagg aggaactgt 389

<210> 124
<211> 261
<212> DNA
<213> Homo sapiens

<400> 124
aagacaaggc cgtggctatg ttgcccaagc tggtctccaa ctcctgggct taaacgatcc 60
tcctgccttg gcctcccaat gtgctgggat tacaggcatg agccactgtg cccagccctg 120
aaacaatatt cttgatacat aaagaacttc tgtaagtcag taagaaaaac actaacaatg 180
taaatattaa aggacataaa atagctaatg tacaaaaagt agaaatgtta cagttaataa 240
acaggagaaa tgcttaacct c 261

<210> 125
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 125
gtggggtctt tcagtggaga agtgtggaga aggaaaggag gacctggact gcaggtggag 60
gaggaccaag gaggctcttg taatatcaag atcaagcgtg ataagatggg gttttgctat 120
gttgcccggt ctggtctcga actcctgggg tcaagtgatc tgtccacctc ggcctcccaa 180
attgctggga ttacagacat gagccaccgt gtgcagcctg cctctgtcct tctgaaaaaa 240
agatggtaca gtcaagatga cctagctgta acctggctac tagaggacca aggagaaaaa 300
taaacttcta ccacgctttc gaaaacaagc actcaaactc aggagatact tgattgaagt 360
tgaaaaaagg ggngcattcc ccaaggcagt accctcatga atgggattag tgtcctttaa 420
taaaagagac ccaagagagg tcccttgctc cttc 454

<210> 126
<211> 238
<212> DNA
<213> Homo sapiens

<400> 126
accctgaatg ccaacaacca gtttgaagac ccccacagag gaacggatca gcatgagaat 60
gcaggtggtt cacctccctg tcccatgttc accctgcatt tttcgaccaa tcaacaaccg 120
ccaagcctgc ccctttccaa aacccttaaa aactctaacc caaactcctc agagagatgg 180
atttgaggtt tcctcccctc tcattcggtg gccctttgat taaacctttc tctgctgc 238

<210> 127
<211> 208
<212> DNA
<213> Homo sapiens

<400> 127
gacatccttc ccattgacac tggaggggcc aactacatgt tttaatcaga gcccacagct 60
gcccacaccc actgcagagt gagctactct ccaccaaccc tgcagccctg aagtttctgt 120
gaccactgaa gaggcctgtt ttcagactta gggtcaaagt gtgggtgacc tccaacacct 180
actgtagtga aggaataaat gtcaatag 208

<210> 128
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 128
gcttcactga gaagatgaac cngccgatga ggtgtgcaga gaactttggc tgcacaagtt 60
aagaggaaga ggctgagtct cagctcagag agtgctggta atgccaagca cagcagagct 120
gccagaggga tctacttgga atctggggag gccctgggga gactaactgg tacaatttaa 180
agagatgcaa agcaaatgat atgcggggca atcatgtgaa aagcctgctg ccttacagga 240
tggactccag ctgctcagtg ggacgggctg ttgggggctg ggttttggta gggcaagagg 300
gccccggatg gagtgatgga cactctaact cactactccg ccgtccaata cagtccagat 360
tgnttaacaa ctcttaaaaa taaa 384

<210> 129
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 129
acggaatctt gctctgctgc ccaagctgga gtgcaatggc acgatctcag ctcactgcaa 60
cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tcccaaccag ctgggattac 120
aggcacccac gaccacgccc ggctaatttt tgtatttta gtagagatgg ggtttcacca 180
tgtnggccag gctggtttca aactcctgac ctcgtgatcc gcccaccttg gcctcccaaa 240
gtgctgagac tacaggcatg agccaccgcg cccagccaag cagacacttt tctaatacat 300
tttctgttca ttgtacaaat taattcttaa tgaatgaaga aattatttta atctac 356

<210> 130
<211> 252
<212> DNA
<213> Homo sapiens

<400> 130
gccctgcact cgatggatca gctggcacca cccagatcaa taaactggct catctggtct 60
tgtggcctcc atccaagtac caactcagtg caagaagaca gcttcgaccc cgtatgattt 120
aatctccaac ctgaccaatc agcactccct actccctggc cccctaccca ccaaataatc 180
ctcaaaaaaa cccagtctcc aaattttcag gaagactgat ttgagtaata ataaaactct 240
ggtctcccgt cc 252

<210> 131
<211> 456
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 131
tgtgaggata caactgggaa ctaaagctgg aagatgccag acattcagca gggagttccc 60
tcatcagcag ctggctaact ggggaactga aagtcacaag gcgctcgttt ctgataactc 120
catgaaaatt cactctgggt cagaaatcaa tctttggagt tctgaacatg cagcttttct 180
catgggcctt ttggagaaca atcagctact cagccatcag agccttttt gctggatggc 240
aggcaggaac tgacagcaaa ccatcgtctc tacaacacgc agaagatcag caccaagtct 300
ccattctccg aaaacatgtg tccatgcagc tctcccangg gaggtctgcg ctgcagtgga 360
angccccaag aagcgtggga acccancttc atcgcatgaa ggaaacncag agttgtacct 420
ccagatgcca ggcggagcgg cgacgtgacg cacggt 456

<210> 132
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 132
atggctcacc tgaaatttct gacaacctgc ttcagctggg attaatttct ttgaagtgaa 60
atcagtttaa ctgaggaatc aatttgcttc cttccatata tgccaaggaa aaactgtaca 120
tagacattga cccacaatac ctggttgacc acgggatccg caagagatgt ccaaattatg 180
aacttccatt aaaaaaaaac ggtggttcta tggctgcctg gaatggccat atttaattgc 240
tccccaggat aatagcattt attgttaaac ttgctagaaa cataacaaaa acgtaaatgc 300
taatctttaa aataagcagg actcctatca catccttctc ttgnggcttt tttccctata 360
cccctgcttt gggaaccggc ttgtttggan tngaaaaagg ctctggaaca ngggattctc 420
acctcancac tgttnacatg tgggacccaa aattttggga aa 462

<210> 133
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 133
gggcattcag nataagccat catataccct gngaccngcn cgcncacntc tcagatggcc 60
ggttcctgcc ttaaccgatg acattncacc acaaaagaag tgaaantggc ctgttcctgc 120
cttaactgat gacatggtct tgtgaaattc cttctcctgg ctcatcctgg ctcaaaagct 180
cccctactga gcaccctgtg acccccactc tgcccgccag agaacaaccc ccctttgact 240
gtaattttcc tttacctacc cgaatcctat aaaacggccc cacccctatc tccctttgct 300
gactctcttt tcggactcag cccacctgca tccaggtgaa ataaacagct ttattg 356

<210> 134
<211> 245
<212> DNA
<213> Homo sapiens

<400> 134
aaggagctga gtctccccag aagaggaagt ttcaactgag cgattctctg acagaacatc 60
gtggattgag aggaaataag aatgggtgtg cctgctttag gattacacag tgctggacct 120

ttgaggaagg agaagcagag atggatagaa ttgttgtggc agaactgagc ttgtatactt 180
ggtcctgtgg agggtatcta ctcttcttcc agctgcgtag ggtaaataaa ggtttttgta 240
aagct 245

<210> 135
<211> 385
<212> DNA
<213> Homo sapiens

<400> 135
attgttcaaa gaaacactgg gaactttccc ctccctgagg aacttccata gatgtacacc 60
tttggtctcc atcccaaact tgctgacctg tgattgttca tccactgcca gccatctctg 120
tcctccacct gcacctggga cctgttgccc tgcacccatg gacaatctcg gcttccatcc 180
agctccactt tgcgctctct ccactcttga atcgcatgaa cccaaccaac tggttcatgt 240
gtttatttt catttccttc ttttgttcta tgtaagtgtt tgtttatttt ttaacctttt 300
tacttgcctt gaatcctttt tggaaataga tgaggtctaa attaaaattg taataaataa 360
caccgaacat agccttttta aaagt 385

<210> 136
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 136
gacgtctggg gagctcctgc attaagtcat gaactgaggc tggcactgca cagagatgga 60
acctgatgaa acggccccat ttgagcgcct gctgtatcgc gttggctctg cttcctgcag 120
ctgtgctcca agatgagcct ttcagacatc gctccctaat agctccatct cccccagtcc 180
aggaggatgc gcattcctct cctcattcac atgcaccact tcaagccatc tgcacgctct 240
acaggggact tgccgcctaa catcctaatg tgcaacccca tccaaatcct ctgctggaat 300
ctcactattt gcaccactta cgctccngga gcgtgaaaca gaagggccag tcctcttgtc 360
tctttattct aagtgnttaa tacagattcc atgggcttgg 400

<210> 137
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 137
gtggggtctt tcaatctgga tggactccga tntaaccggt gtccttacaa gaagagaaga 60
caggacacgc acacaaagcg agggtcagcc atgtgaggac agtgagaagg cggccgtcna 120
cacgccaagg agagaggcct gggaagaaac caaccttaca ccttgacatc agacttctgg 180
tctccaaaac tgtaggaaaa taaatttctc ttgttt 216

<210> 138
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 138
atatgacatt ggatatgtgt ttggacactt ctgcccgagc atccatactc caccactcaa 60
tagctgctca ttcaggctag taatctcata tgtgttggga caactgagct tccagaatga 120
agagggcaaa ctgctgccag acagagtgtc actgtattgc ccaggctgga atggagtggt 180
gtaatcttgg ctcactgcaa cctccgcctt ctgggggttc aagcgattct catgcctcag 240
cctcccgagc aggcgcacaa caccacgccc ggctaatttt tgtattttta gtagagatgg 300
ggttttgcta tgttggccag gctggtctga cactcctagc ctcaagtctg gtctgcctgt 360
cctgggctnt taaaagncct aggattacag gcntganccc cgacccagnc ctgattttat 420
ctcttgatca tctggattaa actgtaccaa 450

<210> 139
<211> 330
<212> DNA
<213> Homo sapiens

<400> 139
gaaacctgcc ggaattctcc ttcttccccc gtcttcacac agctgtgacc ccgaacccgt 60
ggagtatcgc tccttgaggg gctcctgcag cacctggtac ttggccttgg tgatatggac 120
cacttgattc aacactcttc ctctggttga atgggacatc cctgaaggca ggaccaatgg 180
cccgctcatt ctccagagcc tggctcatca tgagcccttg aggtactaat tgaaggagta 240
aattcacatt ctccttggac atttcctttc actctttctg tgcatgctaa tttactttct 300
ctagtaataa taaatgtcat tttgttttac 330

<210> 140
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(236)
<223> n = A,T,C or G

<400> 140
agaacctgga gatctgccca cccctccacc atatgaggac atggccagaa gacagtcacc 60
taggaacgag gaagcaggtc ctcaccagac aatgaatctg ctggcgcctt gatcttggat 120
gtccagcctc cagaactgtg agaaataaat gtcttttgtt tgtaagcaaa aaaaaaaggc 180
cngcgaggcc aattnagctt ggacttaacc aggctgaact tgntcaaaag gggggg 236

<210> 141
<211> 250
<212> DNA
<213> Homo sapiens

<400> 141
ctaccacagc accctctgca acttcaaagg agaaagggac tcagcacaaa tgcccagcag 60
gagagagtgg acaaaatggc tcttgtcacc aatggaatgc tctacagcaa ttcaaaagaa 120
agaaacacct ctacatatcg atggaaataa acaaaaacta ggtgcaatgt ggtgtcctgg 180
atgaatcctg gaacagaagg agaacatacg aggagaaact gttaaagtcc aaataaattc 240
tggaactttg 250

<210> 142
<211> 313
<212> DNA
<213> Homo sapiens

<400> 142
gattttgaag cataaggtcc atctgttggg ggaaggcaag aagaatcagt tcttctctcg 60
agcacggccc attcatctag actcacgcaa tgactgtgat tccaaaagac tgaccaaaca 120
ttaccaagtg ggcaggctac tggggacaat tccggaaaca tttctaggaa gactggaaga 180
aatacagtaa tctagcacat atgcaaaaga atatcaaaag atgaactgtt ttcatcagcc 240
aacccttatg aatgctaaca tgtccagtcc tcttacagtt cgtcgctagg ttaatagagg 300
cattcaaaaa ttt 313

<210> 143
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 143
gaggaggctc cacctgctgc cggcccacca atacttccgg ctgactgctt tgccgaacag 60
gaaagggtct actttctatt ctcctatatt aacaagatcc catgttttag gtgagcactt 120
tggtcaccca cttaaatgac gacatttctc agactcactt gtagtagaat ttatagccat 180
ttgatttagt tttggcctgt gagctgtaag ggaaagtgtt caatgatgca tcaggagagc 240
ctccttaaaa acaaaaggag aaagtgagtt gagttatttt ccctttttt ttcaccctct 300
tgcctggatc atggtggatg tgaaagctaa gttctgataa ctggcttgga ccatgagaat 360
aagggccccg ttgtangggg gggggaaaaa ttgngctgga anaaagaact ngcntctggt 420
atgacttcat ggagcttctg cca 443

<210> 144
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 144
acggaatctt gctctgctgc ccaagctgga gtgcaatggc acgatctcag ctcactgcaa 60
cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tcccaaccag ctgggattac 120
aggcacccac gaccacgccc ggctaatttt tgtattttta gtagagatgg ggtttcacca 180
tgtnggccag gctggtttca aactccngac ctcgtgatcc gcccaccttg gcctcccaaa 240
gtgctgagac tacaggcatg agccaccgcg cccagccaaa gcagacactt tttctaatac 300
attttctgtt catttgtaca aanttaatnt ctttaattga at 342

<210> 145
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 145
atggagtttc tctctcgttg cccagactgg agtgcaatgg cacgatctca gctcactgca 60
acctctgcct cctgggttca agtgattctc cagcctcagc ctcccgagta gctggaatta 120
caggcgtccc ccaccacacc agctaatttt tgtatttttc gtagagacgg gatttcgcca 180
tgttgtccag actggtccca aacttctggc ctcaggtggn ccgcccccct cagcctccca 240
aactgctggg attgcaggtg tgaaccacag tgcccggccc attctttctt tttcttagca 300
tccctatatt agtctgtttt cacgctgcta ataaagacgt acccaagact gggaaaantt 360
attgntnaca aaaaaaaaaa gggcgggggg ggc 393

<210> 146
<211> 281
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 146
cgtacggatg actnccgnan gctnngcaca cnctcgaaat gcgnaangac cnccggctgn 60
gntcgtggac ctgnncngct nccttttgag caagttcaag cctggttaaa gtccaagctn 120
gaattggcct ccgctaggcc tatatngaaa ttctatatag ggccgctatg ngccaatttc 180
ttttgctttt taccctgggg gaaaggaaat acctcattag aagcccaccc ttctggtgta 240
ttttaccccc naattctttc aacaaaggaa aaaaaactgg t 281

<210> 147
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 147
gtctaaccat aaaatcatca atactgagaa attaaaaggg gaacatgtca ggcctcactc 60
tttctgtatt ggctttcaag agtattgtcc ttgagggaaa gccatctcct tcttgacacc 120
atggctaccc ttagacccct cgtgaagccc aagatcatct aagatggacc aagaagttta 180
tccttcacca gtcagactga catatcaaaa ttagatgtac gcatatagca gcaacccaga 240
ggcattgaca acagggtggg gagaaaaatc aaaggcgaga ccttgatccc caacattggt 300
tgtgggagca aaaagaagca aaacacatgc tccccagtgg ctttcaaaaa attctgnttc 360
cccnatgtca aaaanctgga agtgctgctg atgtgcaaca aatcttactg gctgagattg 420
ctcaacatgc ttctccaaga acgggtaaag ccctgtggag agagtaaccc gg 472

<210> 148
<211> 465
<212> DNA
<213> Homo sapiens

<400> 148
agtcgtcctt gtctactcca ctaccaaatg ttgaagttct tcaagaatca gtcctttgga 60
ggtgatgtca ttgaaaatga tgagtaggaa actccaagag cgcatttctc cacaaaacca 120
gtgaatacat tggcacaaat tgtcagaatc aattttatat aaattctgga aattagtcaa 180
aggtttatag taaccaagga aacatctttt taaaaagatg gctgaggctg gatgctgtgg 240
cttatacctg taatcccagc actttgagag gccaaggcga gcagagcatt tgagtcagga 300
gttagagacc agcaaaaaaa attagctggg tgtgtttgcg ggcacctgta atccctcagg 360
gaggctgagg cgggagaatc gcttgaacct ggaagatgga ggttgcagtg agccaagatc 420
gtgccacctc actccagcct gggtgataga gtgagactct gtctc 465

<210> 149
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 149
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
tccctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacgncccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgctcaca 360

caaaaaaaaa aaggnnnggg gggncnattt anttnggant taancnggnn gaaattnttc 420
aaaaggggggg gact 434

<210> 150
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 150
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aatttttctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgctcaca 360
aaaaaaaaaa ggnncnngng gncnattnag ntnggnctta accnggnnga acttnttcaa 420
aaggggggga ctccc 435

<210> 151
<211> 81
<212> DNA
<213> Homo sapiens

<400> 151
aatcaagatt tcactggatt tcccttgagg tgcacatttc ctggatgatt tccacttgtg 60
aaatagaaga agattcgttg c 81

<210> 152
<211> 198
<212> DNA
<213> Homo sapiens

<400> 152
aactcccagg ttctccaact acaacagatc tccaaaacaa aacaagcaaa actcagaatc 60
tgatggaaag ctgtttttaa aagacaaaga tggtggggaa aatacaatta atatctactg 120
acatctacta caccagccac tgtgagggga agtctacatg ttatcttata aaaataaaaa 180
caccccataa ccaccatc 198

<210> 153
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 153
cccaaaccat aaggnccatc tcaccttcac tgcaacaaag aagggttgtt aaagctggac 60
acagatttgc tcggcttcac cctctgatgt gttccacacc acttcacgcc acttttcaaa 120
aagatgataa aacgtcaggc tgagtagaac agaactgggt gcaaataaat ctctctgaag 180
ctaacttgcc tctctctacc cctacttccc tctgcacgtg cctttgcttt attcccctgc 240
atgagagaag cagtcaaatc tttcccattt tcatacctgg attgctgctc aacagcctca 300
acaactgaga cctgaatgta tccccatttt aaagaaccta acagaacatt aaaattgttt 360
cctgagc 367

<210> 154

<211> 408
<212> DNA
<213> Homo sapiens

<400> 154
cttttaagtt tcgggtgacc atttttgccc caaggcttaa caaaaccctg gaaaattgtt 60
acaaaagctg ccaagctcaa agaggctgaa agcccccatt gagtgccgaa gagtcaataa 120
tatctgactc aaagtcacga tgattcttcc gatacacaaa caaggccaca actacagaga 180
tcgccaggca aacgatcact gctatcacaa tcccaacata gagagcaaca tcatctgaat 240
caggagcggc tagagaggag agtgaaacat tgaaccagct gcttatagaa atttcccaca 300
gtacacatat gtattgctat aatttttca gacatttact gccttttta taggttaatt 360
tcaaatctat ttcaaaagct atataaaatg gctgtggcct ttcagtgg 408

<210> 155
<211> 364
<212> DNA
<213> Homo sapiens

<400> 155
attccctaga gacaaagcca gtttgcctga cctctcaacc aaagaaccct gacaacttac 60
tccttagcta gtatctccgt atatataaag atgtcaactt catcatcagt tcccagaaac 120
cctctccaac tgagtactgt attgtatgta atatgaacaa aaactatgaa aggaaagaaa 180
attgaggccc agagaatgca aaaaatgatt aaattcagag gcaaataact gagaagtagc 240
aaggccaaga acaggcatct aggttacaca tctctatctt cgagtgcatt tttctaaaac 300
aaagggcttg gacccacaaa ccatcacctg gaattgcatg tgtgactgaa agggaggaaa 360
ctgc 364

<210> 156
<211> 291
<212> DNA
<213> Homo sapiens

<400> 156
actccaaata agaaaatgaa agagtacaat tcaggagatg aaagaaaagg aaaatccagg 60
aaattcaatc agatctacat gactcatgtt gtgtcaactg caaatttctg atttcaaact 120
taaaaaaaaa gaaacttcaa ggacccttca aattatgttc aagtcatatg cctgatgaga 180
caattgaatc acattactgg actacatttt ttccccttga ttcaatctct tgctgccaca 240
aatatgtttg ttcagtgtaa atggagtgat aaagattgac ctttctagtt g 291

<210> 157
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 157
ttggggagct cctgcattaa gtnananctg angaaaaaga gaacagcgag gagaaaagga 60
taatagagga aaagagcaga aagaagccat ttatatctga ctgctgctgt gggagttaca 120
gaatctccct cttcaacttg ggccctttgc agatggtgtc tctacaaagc aaagtgaaat 180
ggacggtttt ccagctaatt tgttttgtat ggacagccaa gctggacact tgcagaccac 240
aaagtctgtg aatgagaacc tgggagctga catgagaaga attgagctgg agccttttgc 300
catcactgaa taaataactt accctcttga atccttacct gtacgactgg cataagacac 360
cagcctgcct ttcacacagc ttgtgatcta ataagataat gcttatgtac ctgttttaat 420
ataaatagac tgatattaaa atggcacgta acac 454

<210> 158
<211> 373
<212> DNA
<213> Homo sapiens

<400> 158
tacaaccaac tctgaagcca agggaccacc tttgcacatg agagacagtc atcaggaagc 60
ccaactgatc aatatgaaat cagtcatcca cggccgggcg cagtggctca tgcctgtaat 120
cccagcactt tgggaggctg aggcgggtgg atcacctgag gtcaagagtt ccagaccagc 180
ctggccaaca tggtgaaacc ccgtctctac taaaaatata aaaactaact gggcacagtg 240
gcgcacacta ataccagcta cttgggaggc tgaggcagga gaattgcttg aatatgggag 300
gcagaggtta cacagagcca agattgcgcc attgtgcgat ccagcctggg caacaagagc 360
gaaactccct ttc 373

<210> 159
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 159
tctggggagc tcctgnnttn agntacannt ntagggcatn actganagcc atctatcccc 60
tgngacctgc acgtacacat ccagatggcc ggntcctgcc ttaactgatg acatttcacc 120
acaaaagaag tgaaaatggc ctgttcctgc cttaactgat gacatggtct tgtgaaattc 180
cttctcctgg ctcatcctgg ctcaaaagct cccctactga gcaccctgtg actcccactc 240
tgcccgccag agaacaaccc ccctttgact gtaattttcc tttacctacc cgaatcctat 300
aaaacggccc cacccctatc tccctttgct gactctcttt tcggactcag cccacctgca 360
tccaggtgaa ataaacagct ttattgctca c 391

<210> 160
<211> 285
<212> DNA
<213> Homo sapiens

<400> 160
gtgcttatca cacatgcagt caatgaacac ctcacaaatg caaggttcac atgcagtctt 60
cgatgaacac atcgatcgca tccagcagta tgtctgtatt ggaaaagtcc ttccatagca 120
cccagtaatg aaaaggaatg tggcggggag cagtactgga cagtaaaact aaaaacacca 180
ggaagatcac agtgagatca gcagagccct agaatggcaa atccatgaca aagaaaattt 240
ctgatgaata aaaacgtgcc tgggtccagg ccagcaattg gcttc 285

<210> 161
<211> 180
<212> DNA
<213> Homo sapiens

<400> 161
atgccgtttg gagtagctac tttgaggaca agagacaaaa agcctgagga gaaagtcacc 60
atgaaggaaa cagaaagact aaacagcatg cgtgatcttt gattcagagt ccccatctca 120
ccctggactg ccttcctttg gaattccctt gtggaaaaaa aaattaaact cttatttggt 180

<210> 162
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 162
gccctgcact ngatggatca agctggcacc acccagatnn ataaactggc tcatctgntc 60

ttgtggcctc catccaagta cngactgagn gctagaagac agcttcgacc ncntgtgatt 120
taatctcnna cctgaccaat ctgcnctctc tattgcttgg cccnctaccc accaaattat 180
tttcaaanaa acccactntc naggttttca agaanactga tttgagtaat aataa 235

<210> 163
<211> 588
<212> DNA
<213> Homo sapiens

<400> 163
ggtccaaact ttagggtccc caccttgtta cttgcaatga aacggacaca gtggaagaca 60
gcttggagta ggaaaaggac tgaagactgc agcagccagg tgaacttcta ttcgtccatc 120
aagacccaac ccaaagaaac ccacttgaag ccaggcggga gggctcacgc ctgtaatccc 180
agcactttgg gaggccgagg ctggcggatc acctgaggtc gggagttcaa gaccagcctg 240
gccactatgg tgaaactccg tttctactaa aaataaaaaa aatagccggg catcatggtg 300
ggtgcctgta gtcccagcta ctcgagaggc tgaggcagga taatcgtttg aacccgggag 360
gcggaagttg cagtgagctg agattgcacc attgcactcc agcctgggcg acaaagcgag 420
actccgtctc aaacaacaac aacaacaaac tacactctag tctgggcgac agagcaagac 480
cctgtcttaa aaacaaacaa acaaacaagg aaaccccatt tgtaactgcc actaattgga 540
ctatacttct ggtgggccat cttcaagctt cgggcttgaa taaaccct 588

<210> 164
<211> 342
<212> DNA
<213> Homo sapiens

<400> 164
agaggaacaa aatggacaca gtagttctgt gcttctcctt gcaaagtgag caacaggacc 60
aagatccgaa gcaatatcag aggccactgc acccagcagc agagatgaga acaactgaag 120
ttccaaatag atctatggca agctcaaagc taaggtcata aaatgttcta tgaaagcaag 180
accatgggaa gaactggcac atgtgtttgg gaagaggaaa aggttattga gtgcctacta 240
tgtgtcaggc actgagctga atgcttccac atattaatgt tttatacttg agttttcatt 300
aacagctcta atctgtacta ttaataaaag ataaagaaat cc 342

<210> 165
<211> 350
<212> DNA
<213> Homo sapiens

<400> 165
aaaatagttg gagaaatcta aggttgaaaa caacatatgt tctctatatt aaaacgtcaa 60
gagctgtact gaggaagttt gtggagtggg tggtagtgat agagacatac tcaggaaggc 120
tggacccatg gaggctgccc accttgttca ttgatttcta cttgattgat tccttcttga 180
ttgatttcca ggatctctga aacgagaagc cctccccttt atatgtttaa tcagatattg 240
caaagtggac ctgagaacga gcctgtcgga agcagattat gaaggggcct atgttttgaa 300
tatgctgaac tgctttggtt tgtgactggg gaagattaaa ggcctacaac 350

<210> 166
<211> 348
<212> DNA
<213> Homo sapiens

<400> 166
agtgtgggat tttcagcaag aagcagctgc tcagtcaggg gctacatgcc ccagcacccc 60
ttgtatctag gtggtgccat ataactactc ccaccaatgg aatggaaagt gatttgagca 120
cctctaggct gagggaggtg gaaagtgatg tgccttctcc gtgctctctt cctccatctg 180
ccaaacagac acaggggact ccaagaccct agggaatgga agagcaaccc atggaagggg 240
cctgggctgc tgaatcactc agggcagggc tccaccggtg gagtgaccac cagtctgaaa 300
cacctatgtt ggactgagtg agaaataaac tctactgtgt taagccat 348

<210> 167
<211> 574
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 167
gtggntntgt ccttttggac caattatcta acctgggcct ggactccatc taccactgtc 60
ctgcctggtt cactgcagct cacttcatct tcctgtgcct tctctgaaag ggcccctcca 120
aaagtttcct ggaaactctc aaacaactga gaaggtgcct cgacatctga tttgccccaa 180
acctctatac attggacatc ttctgaataa ggctgtgttg tatgttggga caagcaaagg 240
gatggaaatc aagaattctg ggttttagtc ctgactgtca ctacatggct gtgttacttc 300
tgactctgtg aagcagaact cgggcctcta gcgtctgcta gtctagatct aaaggtgttt 360
cctgagggac agtttggcct ggcatgcagg tacctctgca gaccacaaca gtgcaccgaa 420
aacacccccc cccagcacgc acacaagtct ggctcctcag ccaaacatca aacaccaaca 480
ctgctgccca tgccagatgc caaagtgaga taatgtgtgt tataccctta agtgngntac 540
aaagagaaaa gattaataaa tgttagctat cctt 574

<210> 168
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(240)
<223> n = A,T,C or G

<400> 168
catgtgagta ctcagaagac agctgtctgc aactcagaaa gaagtctcac caaaaactga 60
agcctaccag gaccttgatc ttggacttcc ctgccagcta gaactgtgag aaaataaata 120
agtacatatt tgttgtttgc accacccagc ctataggatt ttgttatggc agccctagca 180
gactaataca tgcngtgttt tgatataaat ttattaaaga aacttcttta tttgcttacc 240

<210> 169
<211> 454
<212> DNA
<213> Homo sapiens

<400> 169
acctcaacat gttttatctg ggagtcttcc tctttcatga cattcacagg aggcctatgg 60
tgtgccaggc cccgtggaca gcactgtgga cacagatgcg taataacagt tcctaccttc 120
cagatagaga ggcaagaaag ggctgtggaa gcaaacccaa ggtactaagg aagccgggaa 180
gagaacctac tctagacttg gaagttgaag gggtcaagaa acattcctag agaagatacc 240
tgagtcttga aaactgagaa ggaattagta acccaacaga ggtgggaact ttctgaggac 300
ggagatggag aggaagatgc tgccagctga gggaccacca ttctgaaagc taggagaaag 360
tgcgcgatgg aaagtgggcc tgagggaaag gctgtaagca cctcactatt aatcacaatt 420
ctccctatag gaaaataaat gctgtttcta cttc 454

<210> 170
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 170
cccactggct tccttacacc tcctcgaaca cgccagatgt tacctgacgg ctcttgccag 60

aatattctct gcctggaacg cgcatccccc agatatccac gtggctaact ccctgacctc 120
ttttgagtct ctgctcaaat gttatctctt cactcacaca caccnttggc actctactca 180
aatttacaac cagccaccta cccccagcca aaactctgct agaaaaaaac ggtatttacc 240
ataaagtcat tgccaagctt gt 262

<210> 171
<211> 297
<212> DNA
<213> Homo sapiens

<400> 171
atggtgtttc gctcttattg cccaggctgg agtgcaatga cgtgatcttg actcaccaca 60
gcctctgcat ccaggattca agctattccc ctgcctcagc ctcccaaaat gctgggatta 120
taggcgtgag ccgccacgcc tggccagcat tcccaatttt taaaaatgaa tgattggcac 180
aaatcttaga aagccatttt ctgtagattt gaaagcaatg ctatttacat tgttactact 240
ttcttgttaa atcttgcatg tctgcagtat gtgttgtaat agaaacctaa gattatg 297

<210> 172
<211> 113
<212> DNA
<213> Homo sapiens

<400> 172
ctggactccg tcccatagat gagctgaagc aaaaggacct tcacacagaa cttttatcat 60
cagcctgagg aaaagtactc gaaggacaag gccattggtt gggaacttac acc 113

<210> 173
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 173
cagggcctaa gctgactttg caagagatct cgctaagcct ttctgcagat gcttgcccaa 60
tctggctggc cctgctggag gatatatgct gttaaggcaa ggcaggcaga ggcagctctg 120
gctcgtctcc acgtgcactg gctggctttc cagaggggac aatgcacccc acagaccaca 180
gctgtcattt ggccatctct accttcaacc ttaccaagca cctggcctca gcacagattt 240
tcagagaaaa ctttgaacaa agcaacccaa cactgtattt gtagaattgg aagagacttg 300
gagccttccg aatgtgacct gactgctcaa atggagaaat gagaagtggg taagcttgag 360
cgcaagctta cactgnnagg tgggtggttg aaacgaaaac ctctggattc ctattaccag 420
gncaagtnnt actnttcagt ttatcataca nggctttaag gggagc 466

<210> 174
<211> 354
<212> DNA
<213> Homo sapiens

<400> 174
atggagtttc tctctcgttg cccagactgg agtgcaatgg cacgatctca gctcactgca 60
acctctgcct cctgggttca agtgattctc cagcctcagc ctcccgagta gctggaatta 120
caggcgtccc ccaccacacc agctaatttt tgtatttttc gtagagacgg gatttcgcca 180
tgttgtccag actggtccca aacttctggc ctcaggtggt ccgccccccc cagcctccca 240
aactgctggg attgcaggtg tgaaccacag tgcccggccc attctttctt tttcttagca 300
tccctatatt aagtctgttt tcacgctgct aataaagacg tacccaagac tgag 354

<210> 175
<211> 181
<212> DNA
<213> Homo sapiens

<400> 175
atcctcagtg tcatatgatg gctgctgtag atcctgccaa agaagataga gtatcttcat 60
cacaagccag ttcctgacct tcccactaga ggagctgaac aaatgtcatg acaatttaac 120
agaatagagc tacagaaaga gctaacagaa tagagctact catcatcatc ctctagcctc 180
c 181

<210> 176
<211> 240
<212> DNA
<213> Homo sapiens

<400> 176
gaaagttgtg tttttgctcg tcgactcaag gcctcgagga ctttccccac ttttttctat 60
ggcacacaga gttctgcacg tgaacttctt gctggttaac tggattgcat caaaatgatt 120
tctctgtgag gtactattgc taccaggata tcaattacta tcctaatgtg gacatttgct 180
ctgatatgca taacaattga aaatagaaat aagcctctca gggcaatcat ttcaattcac 240

<210> 177
<211> 173
<212> DNA
<213> Homo sapiens

<400> 177
ccaccctcct cctaactttg gacagagctt actccagaag acagtcttgg agtagaacac 60
catggaccaa gtacttgccg agcatgccca ctgccctcga ttgtacatgt gcaaatactt 120
tctttgccta ttcagaaatt agcagaaact gttgaataaa gggataaagg agg 173

<210> 178
<211> 317
<212> DNA
<213> Homo sapiens

<400> 178
aatactgtgg tatttcctct taaatacaat cttccagggc aaggcatggt attccagata 60
acacaccaac aatggatcca ttctatggct tcacaaagtc aatcttggag aaagaaccgc 120
caaaagctgg cacaagcagt agcaccttta cagtgggcag gaaaacaacc agaagtcttg 180
gggctgcaga gatccaggcc ggcgagaagt ccagagcatc agacaggaag agtttcctgg 240
gggtaggaac agtgactggc acatgcggga taaaagttca tgaaagaagc cgaatcgatt 300
aaaggaaata aaaaggc 317

<210> 179
<211> 170
<212> DNA
<213> Homo sapiens

<400> 179
ggacaacgtc ttgctatgtt gcctggactg aactcgaact acccagctca agcaatcctc 60
ccaagtagct ggaactacag ggtcgcactg tgttttatct aagttttaag aatatatatt 120
tcaccccaca ccctcttgcc atgagactca ataaaaatat atatacaggc 170

<210> 180
<211> 220
<212> DNA
<213> Homo sapiens

<400> 180
gttatcaaag agtcttcagt ttggtggagg acggatttgc tctaaagctc tttagaagga 60
gaaagagaag cattctgcag gaaccctaga aatgaaacgc aaccagcaag ctgccatttg 120
tccagagaag ctcacactcc ctgggaaatg gaatattggg tctcaacctg aagagtagct 180
ggacagagac aggaattcac aaataaaagc tttaaaagat 220

<210> 181

<211> 360
<212> DNA
<213> Homo sapiens

<400> 181
ggttttcagg gccaccacca tccagacctt cggaaaccct gcactggacc aacacccatg 60
tccccaggac acctgaccct aaactcgccc gtagggcctg ttgatgcacg ctaggagttt 120
cctgatgatg cccagcattt ccctacctcc ttccctcggt ctaatctcag ccccttctca 180
tctccacagt gctagctgct ctgttcccat tttgtcccac ggtccagcac tgggcttttc 240
gctgacccgc taccatgtgc catttattta tctggccaga cgctgaggct cagaggttct 300
gcttcctgat acgggacctg gcacaccaaa ggagcccaat aaatgtctag ggagcgaatg 360

<210> 182
<211> 362
<212> DNA
<213> Homo sapiens

<400> 182
acctccagcc ttcaaatttc aatcataact tcagctaaaa gcagcggcgg gacagacgct 60
gaagggaagt gacacggagc taacgcacag cgcttccaga gacactttct ccgctttctc 120
gcagctcctc cgcacggcgt cctgtgggcg gccaccacac cgcaatctat tctgagtttg 180
caagtggaaa ttaaattcct tgtagccgaa atgagccccc acttcaatca gcctgaagcc 240
tgtcctccca tcccccaccg ccctcccgct gcagcatctt ttgaatatgc aaatgggaca 300
ccttgctaaa tggtcagcag gattgatcct gctgttttca tcaaggaaat aaaattaaaa 360
cg 362

<210> 183
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 183
gtctgagccc agggagctac ttctggagat gctgtggtct ggggtggatc ctgccttctc 60
agcccctgcc tgttgaagtc actgaagtct ctgctgcatc tccgggcttc tgctgagcag 120
ggctggaagg tcttgcttga ggagctgaag cccaccagca ggtggcagac aaatccagag 180
ggtattcatt ggaggatgaa gatttcctgc ctctgctcan gattctcacg gtgtggctgc 240
tgcagggaag tcagatcacc tacgtggagg cccaggggcc tggctctgga aacaggaggc 300
agaagctgcc agtctctant cttgggcctg gcanctggca taacattact tccccctat 360
tccntcgntn aaagcagcac aagaacccca ccttnnttt cannagngaa aggggctang 420
gaccccgcct ttctattg 438

<210> 184
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 184
attggaagaa gttgttagct tcttttctca gaacggacat gtggatttgg ggcaaggaag 60
aaaagcaaaa gcaaaagccc aaacattcta acgcaggaat ggcgttcgaa gatctgcaac 120
tatactactt ggaaatgatc cccaggctaa agtgaccagg gaagtgaccc aaaaaacaaa 180
ttcttcttga cttttaaggc aggtgcaact gtggacagct gaggtcccct ttgaaattat 240
cttgccatcg taggatgggc taggatgact caactcttta aatgcatgtt aaagactggc 300

tactgtattt actacattct ggcctcattt tttttggtta tgattttgaa actcagaatg 360
aacaatacca cgtgtgtgat gatttagtcg caaaaaaaaa aggccagnga ggccaattca 420
gctnggactt aaccaggnng aacttgntca aaaggggggg ac 462

<210> 185
<211> 241
<212> DNA
<213> Homo sapiens

<400> 185
gtcttttgca gctgccttgg gcccttagcg cccacgtccc agacccggac ctcttggctc 60
agatcttgga tgaacctagc aaccttgagg acagacaggt aatttcaaca ttttctcctg 120
tggaaggcag aatccctcct ccttctctca aggatatcca tatcctaatc tctggaacct 180
gttaccttac acgatgaaaa gaactttgca gatgtaatta agtttatgac ctcatctcta 240
c 241

<210> 186
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 186
aaggaccagc gtgcaggagg ccctcaataa atattaactg aatggatgat tcaagaatta 60
ttccagtcct aaacatcaaa gatttccagg tgatgttcaa gagaaactat tcaaactaag 120
aattgcctgg aagagtggat tctagaagga agaatgggtg actaagantt actcacatat 180
cagaaaacca gaaaattcag aagatcttag cgatggcacc accacccatt caccagctta 240
atctagaaac ctggacatca tcattgactc accttgatga tgcaattaac cagcaagtca 300
tgacctctct gctttcaaat tttttcttga aaccatccat atttctccat tttcactgcc 360
actggcccat gccaaaccct catgtctcct ctagagcttc ctacattttc ttctagctag 420
atttcctcta aaccacttta cacagaaaag ctaaaatgaa tttctttaaa aaacct 476

<210> 187
<211> 226
<212> DNA
<213> Homo sapiens

<400> 187
acccttacca ccaccatgag aacaagctca ggctggcctg ccagaacatg gaaccaagca 60
gaatcatccc aactgaggcc atcctaggcc agcccccagc caaccctcag ttgacagcac 120
atgcataagc aagccctgtg cacatcagct gaacttgtca cagatcagca aaactgtcca 180
gtcaatttgc agacttccga gaaataataa atggttgttt taagcc 226

<210> 188
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G

<400> 188
gtttatttgc anganggggtt tnagggaatn anngatnnag tctgctgaaa ntatcaccac 60
cctctggatt anaagggatg tttggatgaa 90

<210> 189
<211> 261

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 189
gtggggtctt tcaccatcag atgagaacac attgagaatg tatcatctat gaaccaggaa 60
atgggccctc accagccacc aaatctgcag aagctttgat cttggacttc ctagtctcca 120
gaattgtgag aaataccntt tgggngtgta tannctggnt aannncaagc tgaangggcc 180
tcgnnggcct ntatgantnc tatatggccg ntatggccna ttcnnnnggn gggnaccccg 240
naagaaatac tcataagcca c 261

<210> 190
<211> 352
<212> DNA
<213> Homo sapiens

<400> 190
gttcaaaatt tctattacaa attattgcat cctcctgtga agactgcagc ctctcaggtg 60
tcttccatac gactaaaatg aagaggaagc acaaggagaa atctggacac agagacagat 120
gcacacaagg ggaagacaat gtgaagacac gcagggagaa catcacgtga agacagagga 180
tgggaatgac gcttcaacaa gccaaggaac actaaagatg actggcaacc aacagtagct 240
aggagaaggc aaggaaggat tcccccatgg gttttagagg gaacacagcc tcgtcaacac 300
cttgatttca cacttctggc ctccaaaact gggagataat aaatttctgg tt 352

<210> 191
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 191
aaacccaaag gccagaagga aatggcaaaa cagttttcat gtgctagaag actatcaacc 60
cagaatttta tacccagaga atatatcctt catgaataaa gaagccacag cattctcaga 120
tgaagaaaac tatgagaatc tgttggcaga ccaccctaag agaatgacta agtgaagtcc 180
tctaagcaga aaggaaacaa taaaagaagg aatcttggaa tatcagaaaa ggaaaacatg 240
gaagtcaaaa tacagtggta aactatgaaa tgtcagcgtt cagccagatg gtatgatgga 300
gcagcagaag tcagaattca gtgaggggac actgaaggaa cagataatgg nnctgnnttn 360
gcntggaagg ggnnntcaat ttgtaatttc agggttaact gcagaagtgt cttcaggaag 420
gctgcatctg caagccagga agagagaact caccagaaac caaat 465

<210> 192
<211> 134
<212> DNA
<213> Homo sapiens

<400> 192
gattctgaca agtccggagt acgtcccctc atcatcaggg caggaggtaa cgtgctgaat 60
ttaatagcaa agcaaatttt gctggagaag aaatgagatt tctttgtcaa ggaaccagcc 120
ggaggaactt cagc 134

<210> 193
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 193
agcctgaact tgatggatca ngctggcacc acccagatcg attaattggc tcatctgatc 60
tgggggcccc cccgacccag gaactgactc agcgcaagga gacagctccg actctccatg 120
atttcatccc tgaccaatca gcactcctgg ctcactggct cccccaccca ccaagttgtc 180
ctgaaacact gctcacccag tgcttgggga gactgatttg agtaataata aaactctggt 240
cttctggttc tagatccttg aggaatcgcc acactgtctg ccacaatggt tgaactaatt 300
tacactccca ccaacagtat aaataaaaac aaaacaaaac naaaaaaaaa aagggccggg 360
ggggcaantt nagttnggat ttaacaaggg tngaatttnt taaaaagggg gggactaccc 420
a 421

<210> 194
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 194
gcctgcaccg agatcgacgc catcagcgtg gagaagaggc gcatcatgca gcaatgggcc 60
agcagcctgg tgggcatgaa gcaccgcgac gaggcgcaca gggcggtgct ggaggcgctc 120
agcgtgtccc tagagcgctt cccaagtcaa aatataaaca ccgctcgttc ccgcctttct 180
accacatggc attccgctgg gatacttcta cggggaagct tcctgcccgg ggcatcgagg 240
gcgttcgcgt ccgtctgtta tggcggtgct gctgtagata accggatccg cgaatgctaa 300
cgctcaccag gatgctatat agccttttt atattgccta ttaagccccg aatgntttgg 360
gtctancggg tattgctaag taggattgtg acagtcacgc ccccggcagc ggtgtttcaa 420
agtcccctga cagctcaaca tgttgtcaca cttcangact gtgccaatcc ac 472

<210> 195
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 195
tgaggggcat tcagataagc catcatatcc cctgtgacct gcacgtacac atncagatgg 60
ccgggtcctg ccttaactga tgacatttga ccacanaana anngaaaang gcctgttnct 120
gccntaacng atgacatggn anttgagaaa nnccttctgn ctggctcatc ctggctcaaa 180
agctncccta ctgagcaccn tgggnnnncc actctgcccg ccanagaaca acccccctttt 240
gactgnaatt tttcctttac ctaccccgaa tcctataaaa cggccccacc cctatcttcc 300
ctttgcttga ctctcttttt tggactcaag ccccacctgc atccagngtg aaataaacaa 360
ctttatt 367

<210> 196
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 196
gtcagctgag gagaggaaag gattcttagc ttgagttcac tccagttgcc taatgtcatg 60
cccattgctc aagcccatgt ggcctgtttg aaggagaact gcttatctgt gcagcaatct 120
atccgagggc ctttgggcca ttatgctgtg aatgtgacat ctgcagccaa gctctgcagt 180
cagagtctat gtaacaatca tggaagagta ttcgaaaaac acctgagtcc tccttctatc 240
tgcatatgcc tgaaagcagt ggtaagaaat atgttctaaa caagagtttc agattcatca 300
tttctgaaaa taataaacag aagacaataa cagacatgaa gaatggattt gtgtgtcact 360
gctattacgg ctggcatgga ccgtcttgtc acgatcactc ttcagatctc ctaagagtga 420
tgaataaggc tcctactatt aacttcaatt tattaanttt tctcattatg gcttcttctg 480
ngattctgct aaaaaaaatt tagccca 507

<210> 197
<211> 176
<212> DNA
<213> Homo sapiens

<400> 197
ggcccatccc ttggttttag cctggaagac cagttttgac tttgaaccgg ttggcctaga 60
atttggtgct ttgtactaca aactagattc ccagctttgt ccagccctcc tggagttgac 120
tgctgcctga agaatttctc accatgtaaa cacaactctc ctaaagcagg cctttg 176

<210> 198
<211> 304
<212> DNA
<213> Homo sapiens

<400> 198
agacagggtc tcactatgtt gcccaggcca gtcttaaaat cctgcctcaa gcagtcctcc 60
tgccttggcc ttccaaaatg ctcggattat aggcaagagt gtcaggcata ctatatgcta 120
atccaacagg actgtggtct tataagaaga ggaagactct ctctccacca tgagaagaca 180
caatgagaag gctgccatct gcaagccaga aggagagccc tcgctgggag gtcagccatg 240
ctggcaccct gatctcagac ttccggcctc cagagttgga agaaaataaa cgtctgttgt 300
ttat 304

<210> 199
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 199
gcaccacctt acgaactgga cactccgtgg tgacctgaac ggaaaggtgg ctgcccctct 60
gcagctcagg tcttggtaga gaagatctac ataaacagt gtagctacaa aatgctgaga 120
atcagagggt cccaccaaac tgactttaat atccaatgaa gggacagctg tgtcctggac 180
tctccacaaa tgttgacgtc atgaagaaca agaaagactg aaaacctgtt ccagattgaa 240
ggaaattaga gatgtgacaa ctgaatacac cttatgatct gggatgggat cctagaccca 300
aggacattag tgggtcnatg gcaaaatctg acagaaattc aaggactgct tctctcatta 360
aataagcttt tcaaggaaaa aagaatgtnc tnaaagntgg atgaagatgt catttggcca 420
tt 422

<210> 200
<211> 308
<212> DNA
<213> Homo sapiens

<400> 200
gttcgacaca acccgaccag cattccttcc tgataagaga cccctgacca tggagtggct 60
ctgactagcc tatggaggct gcacacagac agtcttcgca tccttggctt caccctctga 120
catatagggc ctactgtaat ccatttaaag gttaagtctc caccccagcg cgaacatgga 180

tgcatgctgc acacaattag ccaattatgc atgtctatgc ttcctctttg tgaatattca 240
tagctcctcc tataacctgt tgaatatgta catttggcca cgctgttcag cataaatccc 300
tgtcttcc 308

<210> 201
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 201
actgagaata aaggcaactg ctgggtgtga tagctcgtgc ctgtagtttg ggaggccaaa 60
gcaagcagat cacttgagcc ccggagttgg agaccagcct ggataacatc gcaaaatctt 120
gtctctacaa aacagacaaa aatgaggatc gcttgagccc aggaggttga ggctgcagtg 180
agccacgttt gagccactac actccagcct ggataactga gcaagaccct gtctcaaaac 240
aaaacaaaac aaaataaaca aacaaaaaaa aaaagggccn gngnggccan ttaanttggn 300
antnanccag gnnnaattng ttnaaanggg ggggacnccn aatntnnttt ttttttatt 360
c 361

<210> 202
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

<400> 202
gccaagaaag gtaaaggcct cttgggcctg tgatcaaaga gtcaacactt aaggttttgg 60
cgatgctggt aatgatgaaa taaggcaaca ctggggcaaa cactgttatg gccaatgacc 120
tatgcatcca angcagcttc ttcagcttca agttgggaca gtcgagcacc aagaagagga 180
tctacatcag cgtcttggta ctggtggtga caaagcagca atctgcctga ggctctgcaa 240
gcctacaaca ttctttttaa catccccaag ctggaaacac gtaaaatgtc cataagccac 300
agaaaaaata aataaagtat ggcattttct tac 333

<210> 203
<211> 128
<212> DNA
<213> Homo sapiens

<400> 203
gcggtaaaac acagaccatg aggttgaggt gccactggcg gcggaggaag cggcgacctg 60
cactgggaga gattcattac ttcggtttta cctccggaaa aagctggagt caagttatgc 120
ttatttac 128

<210> 204
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 204
tccctctgag agaagccagt tgccaagttg tgagctgctc tatggagagg cccacgtggc 60

gaagaactaa tgtcttctgc aacagccaac aagggcctta ggcctgccaa cagccatatg 120
actgagcttg gaagtgaatc ttctgagccg gccaacagcc cgtgatcaaa gccatcaagc 180
tacaaatgat cttacaaatg gaacctcaaa tgagctcagc tcacggcttc taccgaggac 240
ccctggatca acccgctggt ccctcaatta ccctagaaaa ttcccctctg gaggacacca 300
aactgcaggg ccccttcttc acccctaacc agcaggaagt agccagaacg actgncacac 360
ggntcccaac aacaattggg gnggtctggt taaaagccag aattgaaagg aggngccant 420
tggcttcctg ggtcaagtag gggctcaaaa agctgngaaa ctcactcatt tcctg 475

<210> 205
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 205
tgctgacttc ccacatcana agcagaatga tcttcanccc aagacacagg caaagagagc 60
atctaactgc ttaaaatgag agcaggaatg gctgttggct tagatagatg gcaccccaga 120
gtcctgaaag aacttgcaga tgtgatcaca ggaccatctg aaccggagaa accgggggga 180
atggagagac agcaaaagac cggagatggg taaatgagtt ccagattttc caacacaaca 240
ggaaaggtga cttacgggtc tgtgtgctgg ttacatttaa tgttgagctt cagcaaaact 300
ccggaacaga tgattgaagg ggctttgtgc cgtatttatt taaagaaaag taatga 356

<210> 206
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 206
gacctgatga ttgatttagc atctttggca tccggccctg ctctgcttgg ccatactgct 60
gccttcaccc tcagctgttg caactctttt ggccactttg tgtaactgcc ctgccaagcc 120
ctgcttcctg gctgttcaaa gaaagaagtg tttcctacag gagatcacaa caaaaggatg 180
aaatctgggg tgcaggggaa gggtagcttc tgaagctgga aaataaagaa gtaaggaagg 240
gagactgtgg aatttaccag ggagggaaac taatatttcc ttttcatatt aagttgntac 300
tattctggct ttttaccatg atcatatatt atattcaaaa taaa 344

<210> 207
<211> 241
<212> DNA
<213> Homo sapiens

<400> 207
agacaaggcc ctgctctccc atccaggctg gaatgcagtg gtggtgatca tagctcactg 60
cagccatgaa ttcctgggct caagtgatca tccttcctca tcctccagtg tagctgggac 120
tataggcaca tgccagcatg cccagctaat tgaagaaaaa cattttcaga tgaaattgtt 180
gtacatatat cttcaagtgt gttagaaata tacatcttgt gtattaaatt tatttgctca 240
g 241

<210> 208
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(457)
<223> n = A,T,C or G

<400> 208
aatcttgcta ctctccatca caaggcaaag tctatcttcc tttcttttga atctgggaag 60
acacttgtga ctgcctcaat gaataggaag aatacagtgg aagtgatgct gcgtggctgc 120
taagaacagg ctggaaaagg ccatgcagcc tctgttcgtc tccctcttgg aacacttgtc 180
tttggaaccc tgagttgcca agtaggacat ccagggctgc cgtgctgtgg ggaagcccaa 240
aactagccca cacagagaga ccacatgaaa aaacactgac attgcatgaa gagagggtga 300
tgtgctccag ctgcctaagg cttcatctcc tgcctgttcc agctccagaa aacctgaagg 360
ccacagcatn agacccctg nnttaaacca ttttacttga cctgttntga actttngacc 420
aatttnttat ttttgaccaa taaaaaataa ttttatt 457

<210> 209
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 209
atggtgtcag aagtgggatc tgaagtagag gttgtaacga tccccaggag tgctgagtga 60
acaagcaagt tacctgcaga atccactgtg tcctttgatc tgtcacagca gctggggttc 120
ctgactttcc ctcttgttgc ccaggctgga gtgcaatggc acaatctcgg ctcaccgcaa 180
cctccgcctc ccgggttcan gcaattctcc tgcctcagcc tcccgagtag ctgggattac 240
agacatgtgc caccatgccc agctaatttt gtatttttag tagagacagg gtttctccat 300
gttgatcagg ctggtctcga actcctgacc tcacatgatc catccgcctc ancctnccaa 360
agtggnggga cacaaanccn ctngaccnng gctatnttgc tggaaattta ntaanngctg 420
gnggaaccat tccaatcttg gaaagctgca aagacaacat gttaatgatc aacacctggc 480
cc 482

<210> 210
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 210
gtgggaaaac tggggcatca gagaggccaa gcggcttgcc caaggtcaca cagcggatgt 60
tcgagtggaa atggaatgca agcattcaga ctccagaact tgcactgtct tcagaaatgg 120
cctcaagtta gtggtttgct caggggtgaa gagcaaagca aagttcaggg cctcatccca 180
gggtgtgtca cttggcatga gggacgagga cccccatttc ctctcagctg aggggaagag 240
ctctccacaa tgtccccctg cacggtcctc tggctaccct gacaacaagg gccagctctc 300
cctactctcc ctggagtaaa gctgggctca ngaggtgcta cccgtttcg 349

<210> 211
<211> 350
<212> DNA
<213> Homo sapiens

<400> 211
atctgtccca tgatgaatct gggttgtccc tgtgtgagcc ccttgaacca acagattgtg 60
gcagagtgac attgcaccag tctgagacct acaccttaag gatgcctggc agctcctgct 120
tttgtgttcc tcggagtcat gagccacgaa gtcaagctac cctgctggag agaccagctg 180
aagaagcctc ttgaagagga cctgagactt aaggctcagc catcccagac tgtgagttaa 240
acctccagat gagtccaacc ccacctgcta tctgactaca gctacataga cgacaaacca 300

cctaagtgat tccagtcaac ccacacaact gtaaaagata ataaaagttg 350

<210> 212
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 212
aagacaaaag caaatcagtt ttggcaagaa atgcactcag cggccctgac tgggagagtg 60
actggattga tacaaccatc agttctattc agattatgga aatccagcaa ataatagatc 120
atcagtattg cattcaaagc ctccagtgcg gatctggaaa ttataattac aatattcctg 180
ttaataaaca cacacccacc aatgtcaagt tctctctgga aataaacaca acagagccat 240
tgatagtctt ccagtgcaaa ttcacccttg gaaatatatg tttccatagt aaaaggggaa 300
ccaaagggat ggaaagccac agagaaatct cccaggagat gacacaggga tatcaagcac 360
atttggagcc tcctggaccc catttttna acagatngtt ccatttccgg gaagctgccc 420
ggatttagct gctgtcaact gatccttatt ttgctgggat attcttcacc gattactt 478

<210> 213
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 213
agatgtggtc tcactatgtt gtctagactg gcctcaaact gctgggctcc tgcgatccac 60
ctaccttggc cttccaaagt gctgggatta caggcgtgag ccaccatgcc cagccgcttc 120
atctttcttt actcatggtg gccccattat tgctgtgaag ccttttttcta atgttcattc 180
tctccctctg caaagtgggc aacagtgaag aaactacatg attttcaggg aatataagca 240
tggaagatgg actaaagaac acagcaggcc gggtgcagtg gctcacacct acgatcccag 300
cactttggaa ggccaagnta ggaggatcgc ttgaggctan gantcnaaac cngcctnggt 360
caacataaaa aagaanccng cttttcnaaa nnaaaaaatt ttaaaantta ggcccaattt 420
ggggggcatn cntnntngng gntcccagct gnatggcgng agggatcact tg 472

<210> 214
<211> 147
<212> DNA
<213> Homo sapiens

<400> 214
gcggggacat ggaggcccac ggagtacctg gcaggcccac agtccacagg ttggaaagag 60
gtgcccaagc cctgggcttt aagcctgggc tctgaccttc aacgtttgct tttcacacca 120
cacatcatgt caataaatag ttactgg 147

<210> 215
<211> 338
<212> DNA
<213> Homo sapiens

<400> 215
tcaacttgct gaaagggaca acattctgga ccacgcatgt aaccttggcc accatgctga 60
ctctcctgga tgggctgcca tcagggatca taggtctcat gagcagactg tcaccggatg 120
acggactgaa ccccaacagg tgttcttgct gcatctatgc accgccagaa cccccacacc 180
tcccattctt caaatggacg tacagctttc tccttaagtc aataaacttg aaaaagttgc 240
tttataccgc ttgagtaagt ggtcagcctc ataaggagga gacaactgtg aagataaata 300

tcatgaaaac aaaacgagat taaattataa ctagacat 338

<210> 216
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

<400> 216
gggcattnac ataagccatc atntnccntg ngacctgcac gtacncatnc agatggccgg 60
ntnctgcctt aactgatgac atttcaccac aaaanaagtg aaaatggcct gtncctgcct 120
taactgatga catggacttg ngaaattcct tctcctggnt catcctggct caaaagctcc 180
cctactgaac accctgtgac ccccactctg cccgccagaa gaacaacccc cctttgactg 240
tnatttttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcaac ccacctgcat ccagntgaaa taaacagctt tattgctcac 360
acc 363

<210> 217
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(236)
<223> n = A,T,C or G

<400> 217
atctagaagc aataaaatgg gcttaaggaa cacggaataa agggagcaac cctgtgaaga 60
ccacaaaggc agaacagtga cagcagctca gcagcaagac tgctgggcac cgggcctggc 120
tctccaccac ctgactgggt aacttttcaa acaccttcat ttcccaagaa gtaggaatgn 180
tgggaagact aaataaacat atgtcaagta cttaattacc tgcccacata gtaaag 236

<210> 218
<211> 377
<212> DNA
<213> Homo sapiens

<400> 218
gtactcacaa gctacaatgt aaatcagtaa agaaagagat aactatacca gaatatggag 60
cctattgata ggactcacaa gattcaaggt gccttgtcca aacagatgtt cattgctctt 120
tgacacacct taaataagag ttctgtagtt aaacaacttt ggaaaaagag gtgtactctc 180
accctccccc atcataatga acatcagcat gaaggctcta agaagaccca cagcaaagaa 240
gccggttcag ttatttttaa tctgactctt cacaaactta ttttacacca ggtaactttc 300
aaatcttcac agaactaatg ttttgtgaaa tttactttga aaaacatcgt gctagaaata 360
acattatttt gctatcc 377

<210> 219
<211> 356
<212> DNA
<213> Homo sapiens

<400> 219
gggcattcag ataaagccat catatcacct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tatttg 356

<210> 220
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 220
gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattgcttca 360
cacaaaaaaa aaaaggccag ggaggccant tcanctngga cttaaccagg ctgancttgn 420
tcaaaagggg gggacc 436

<210> 221
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 221
acctgccttt catcttcagc catgactgtg aggcctcccc agtcatgtgg aactacggac 60
tcttgctcta tcaccaggct ggagcacagt gacgcaatct cggctcactg caacttccgc 120
ctcctgggtt caagcaattc tcctgcctca gcctcctgag tagctgggat tacagagtca 180
taagaagaaa cggtgatgcc tgacaacttg gtaaaacctg agacatgaac attgagtcct 240
ggactcggat tgtctggctc tcaggacagg atactccaga attcactctg aggcctccac 300
tgggcagtca ttggtctgct aagaacatca caccgnggga taaacttcct ggaagtcata 360
atttaaacat ttgagtttc cttttacccc agcaagggcc tttatgttgg ctcacaaagc 420
aatgtaatga caatcttgct t 441

<210> 222
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 222
gtgaagttct gaggccaaga aagggtagct gatttctcca ctggtgacag aatttcgctc 60
ttgttgccca ggctggagtg caatgacgag atcttggctc actgcaacct ccacctccca 120
ggtttaagtg attctcctgc ctcagcctcc caagtagctg ggattacagg tggagtcttg 180
ctctgtcacc caggctggag tgcagnggag cgtgatcttg gctcactgca agctccgcct 240
cctggttcac gccattctcc tgcctcagcc tgcggagtag ctggaactac aggaagaaaa 300
atggncttan aangggaaaa ccanttgcan ccaagatcca aattaatacc aaggnagccg 360
gggagaanaa agaaccntgg tggaagaaga gtgaaaaagc nttgtctttt gggggtgaat 420
tgcagaaaga aaataaatta ttg 443

<210> 223
<211> 436
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 223
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg ngaaantcct tntcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagttta ntggctacnc 360
attaaanaaa aaaaggcccn ggggggccnt tccggtngga attaacccgg gtnantttng 420
ttaaaagggg gggcca 436

<210> 224
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 224
ctatgaagag cagcccgctg tgggagacac tgatggccct cgctgactct agagtggagt 60
gaattgctac cttgctgacc aggaaatgat cgatgcctgg cacctggcag tgaatggggc 120
gtcctgcgat gatccgaaca cgcctgttct cagaaatttg cagcacaatg ttgttatcca 180
agacatacaa tgaattgtcc ataggattta ctgcaaggtc tgttggccac tctaatcgca 240
cctgtgaaac gaacagaaca cataccatta ggttaccatg tctttccatg gacagtttta 300
acttgaaaaa aagaaaaaaa aattggtgta ttgnttcccc cgtcttatga attttaanca 360
ccattgggtg atgtctcgga aagtggaggg caggggggagg atggttaatc acatgttctg 420
gtaaacgtac ttatcattta tgccatttac aatataa 457

<210> 225
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(105)
<223> n = A,T,C or G

<400> 225
cagaactgag gacncagtgn ncatgtaact aactcctggn taagaggata tgggtagaan 60
gcacanggng cnacttccng gcttctgctc cttgaaacac agtaa 105

<210> 226
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 226
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60

ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt tattggctca 360
cacaaaaaaa aaaggccagc gaggccaatt cagctnggac ttaaccaggc tgaacttgct 420
caaaagg 427

<210> 227
<211> 315
<212> DNA
<213> Homo sapiens

<400> 227
gagacctgag ccactaagta agaagtccag ttaccctgtt ggataaacca catggagaag 60
gaaaggccct gagatacttg gagagaggga aaagtccagc tgcccagcac ctgagctgag 120
cccagcctca gccaacccca ccggctgact gcaaacacat cagtgaccac cagtaagacc 180
agcagagctg cacagccaag cccagcctag attgcagaat tgtgagcaaa taaaatggat 240
attgctttaa gccacaaaat attgaaatgt tttttaaatg tagaatgtga tttctaagaa 300
taaaaagttg caaat 315

<210> 228
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 228
aaccaaacca acaccggaga agctgagcaa atgcagtcag ttggatgtga attacctttt 60
agttgctgac aacagaaagt taccctgaac cactgaccaa gggatgaaaa gcgtccgtgt 120
actattagta attctcagaa tcatctctgt ccccaaccaa gtatggaaag ccaagtacag 180
tatcatggaa ccaaattcaa atgctggtct caaagttccc gacttgcttg ccttcaagtg 240
ccacttgaga gattttaaat gacagtgaaa tgctttgttc aactaaaaat tcaaagtgtc 300
gggacaangt ttatttctga gactcaagag atagtttttg ctttagttgn tgccattggn 360
gntgntgggg ngggggaaaa aangncagaa aataaaatct gccacttttc ttttc 415

<210> 229
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G

<400> 229
aattgtgaca ggctcccagg acctaaaccc agaaggaagc aggaccatat tgctgcctag 60
agaaggggat ggagcagatt ccaggacacc gatgaaacag aagcttccat cacagtgctt 120
tctgctacct tatgagacag ttcgcatctc aacagctcta ggatacaaag gaagcacata 180
catttatact ttataaggtg gccaaggaat cctactgtga acaaagaatt tctaagataa 240
taaaatccca ctttttttt ctataaaaag caaaaaaaaa aaggccagcg nggccaattc 300
agntnggact taaccaggct gaanttgntn aaaaggggg gactacccaa 350

<210> 230
<211> 91
<212> DNA
<213> Homo sapiens

<400> 230
tgacacgaaa atctggttct cttgcactaa tatgtgaact tatggacatg aatatttatg 60
agctaatacg agggagaaga tacccattat c 91

<210> 231
<211> 285
<212> DNA
<213> Homo sapiens

<400> 231
ataaggaaag cgaagcacag agaagtatct gcccaaggtc acaaaccagt ggagcaggat 60
ttgacccaaa gcagacagtc ggacttcaca gcccgtgctc tcaacatcca actgctgaag 120
agttaacaat ttacccttga cagccgctat aagcaaaggt aaatgctcaa ctgctaggaa 180
gggacagtca gaacaccgtc ccatatccag tatccatgtc tctctgtttg tttatggcct 240
ctatgacttt ggcaaaagaa gtacacacaa tctgattttc cgaac 285

<210> 232
<211> 71
<212> DNA
<213> Homo sapiens

<400> 232
atggtggagg attgctcaag cccaggaatt tgagaccagc ctaggcaaca tagcaagacc 60
tcatctctac g 71

<210> 233
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(155)
<223> n = A,T,C or G

<400> 233
ntataatggc tanagctgga aacacatcat gtatncagan ggaaaagggc aagaagattg 60
caggatccac agacctggta ttcccaaaca gctgaaccag tntcagtaca cctctggatt 120
tcccattact tgagataaat aaactctttc ttttt 155

<210> 234
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 234
gtatcgatcg caagagtgcc cccaatcaac tttctgcaag caaatctctg tttcatggag 60
aacctggcct gcaacatgac acctctcacc acatcttacg tcagcagttc ctaaatgtgt 120
gctgtggact tgctacagca gatatgtttg gagaaaaaaa ttcatatttc tcatgttcac 180
cccacaccta caaaaccata atctccatga atgggtccca aggatgtgta ttttttcaaa 240
gctcctcctc cactgctgaa tctagtgtat agcttgatgt agaaaccact gctataccaa 300
aggctcagcc tcaaatcagc ctacagcttc tatcttgctc catcttcgtt tcagccacca 360
atagagnggn gaagccatta aaaaggtcaa aagtaggtaa ataaaatgtg aaccagtata 420
taaaagtt 428

<210> 235
<211> 355
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 235
gggcattcag nataagccat catatnccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggnc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattg 355

<210> 236
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 236
gtaacaactt ttaaacattc acgtgacgga ccaccttccc tcagccaaac aacttccctg 60
aaaggcgccc gaaggagcct tcccatccac cgcgggtgcc caggaaaggc ctgtggggct 120
ctcctccccg cgctccacac gccctcgcat cccaccgagg cgccagcttc tgcctgcacg 180
ttgctgaaac tggcctggag gttctgacaa gaattagagc ggcggccgtt gccccgggga 240
tgacctggaa gcgaaagaga ccggcacgaa ttctagagtt tcggggtttc cgcgggttga 300
gattgtacgg gaaacaatgc attaaccaaa cctaaaaatc aaacaaacac cgtctggnag 360
aaccttacca ttaaaaagct t 381

<210> 237
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 237
ctcangatcc atccatcctg cctgtgctcc ctggttcgtt ttccctccag ccactgccaa 60
atgccaggac acaagtcacc acctccccta tgcttagcct tgtcatcctc catgtcattg 120
aggccttcac gactcccact ctggaaccaa gcaatcaagg cctctgaatt gcactgttgc 180
actgaccgtt cacctcctta ctgtctgcct tatgcagagt gcaagctctg tgaaggcaga 240
tgcctcgcct gagtggtttc cagctgcccc cagagcacct agaagaggcc cagcaaatag 300
aaggcactcc atgattattt gataaaagaa tgaatataac ccaacacttt atggctcccc 360
ataactggat gccccccctcc ccatggtcag atccttttta tatttggtgg acatgacaga 420
aatnaatctt ccaaataaat gaattctta 449

<210> 238
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 238
gctaacctag gatcagcaca atcagccagc agcaccatca tctcaggctg tagcagcacc 60
aagcccttcc agaaaagccc ggactttcca gaagcatcct cagcaagtgt cacaaggaag 120
gaagccagag gctgcccatc gcatacctga agagagtcaa cctagtctcc ttaaacattt 180
cttctgctcc acccctgaaa gaagcaatga ttaaactttg aagccctgta tatcttaata 240
ccttgggaac atttgctatg tatatcctca ttaaatgaaa acattgcaac ggcaaaaaaa 300
aaaagggccg gggggnccat tnannttggn nttnaccngg gngnanttng ttaaaagggg 360
ggggcc 366

<210> 239
<211> 370
<212> DNA
<213> Homo sapiens

<400> 239
cagccctaac agactaagac gaatactaac tgagaaccca ccagacttgg agaaataaac 60
ccctttgac tgagccaact gaggctgctc ttgaaatcaa aatctatcat aaagtaagag 120
tgaagctgca gcgtgggtct acctaaaact caattcaaga aattcaagag aagagaacgc 180
tcagctagag tgaaccagga gactgcaaca atcttgttca tttggttatt cacttattta 240
atgtctgtat tttgtagatc tagattaatg tgaatttcct tagaacttgc atcttggttg 300
gtttactcag tgctatatcc ccaatgtctg acatagtacc tggttctcaa taaatacttt 360
gaaacaattg 370

<210> 240
<211> 305
<212> DNA
<213> Homo sapiens

<400> 240
gcctgaaaca caagcacaac acactgaagc taccatggat ccccttggcc cagcagctgt 60
tacaccctaa atgatattct cttctagcac ttccttaccc tgtggtctta atctgaaggc 120
atctggactc ttcttcctat tggtagaagg atcacaatat ggtgcataaa acctatttta 180
tgtaacagcc cagtggacct gaagcaacac ttcatagcca agtacattca tagttcttca 240
acaaaatgta taaatttcac cccttgttgt aataaataaa gacaataaat aaatagcctc 300
ccatt 305

<210> 241
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 241
agctgctctt acatctaatg agaaaaaagg ttctcactgc atccttggtg tctctcagat 60
gtttcttcag atgttcagag cctgggagca gtaagtgttc aaaaaatggt gtttaagggt 120
ctcactccaa cacccaggct ggagtgcagt ggtggtgtga ttatggctca ctactgcctt 180
gacttcccag gatcagatac gggctttcac tgtgttaccc aggctggtct tgactcctgg 240
acttaaaact atccaccagc ctcagcctcc caaggtgctg ggattacagg tgtgagctac 300
cactagtggc ctcttctaag aggaaatttg gatatacaga gagacaccag agatgtgggg 360
gcacagagga aagacctgct tggatacagt aagaaaggca gcctctgcna acntaagaca 420
aagtcctaag aaaaacccaa ctgctcca 448

<210> 242
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(511)
<223> n = A,T,C or G

<400> 242
ttttttattt tcttatttnc tttttatttt ttntntnggg gatnntgnaa cntnnanttn 60
ggactactgc ttaagtcana actgaggggc attcanataa gccatcatat cccctgtgac 120
ctgcacgtnc acatccagat ggccggttcc tgccttaact gatgacattt caccacatna 180
agaagtgaaa atggcctgtt cctgccttaa ctgatgacaa tggncttgtg aaattccttc 240
tcctggctna tcctggctca aaagctcccc tacttgagca ccctgtgacc cccactctgc 300
ccgncagaag aacaaccccc cttttgactg gaattttncc ttntacctan cccaaattct 360
tanaaaacgg gncccacccc taatnttccc tttgcctgga cttctctttt ttgggactna 420
ggcccacctt ggcattncaa nggtggaaat aaaancannc tttttttttgg ctctccncca 480
naancaaaaa atanaaataa tatagctctg a 511

<210> 243
<211> 425
<212> DNA
<213> Homo sapiens

<400> 243
ggtctcactt catcacctag actggagtac agtagcacag ttgcagcttc ctacatcttg 60
acttcctggg ctccagtgat cctccccctt cagcctctca gcagagagag aaagaaagca 120
gagctctttg aagcagagaa agaaagcaga aagcagagat ctttgaaggc ttaagaaacc 180
ataaggagtt ttggagagtc aatgcatgat gatctctgaa gattctactg aaatctaatc 240
aatatgtcct cactgccatc aattcaaaag aacttgctaa gaaggctcta gaggcttgta 300
ctctcagata gtgaaagtga gatgatgtgt agtgaaagtc atatataggt tgtaaattgc 360
aatatggaat tcccaaatgc tgaattcatt ttatctcttc ggaaataaaa acctggtaaa 420
gactc 425

<210> 244
<211> 208
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

<400> 244
gagaaatttg gacacagaca cangacatgg gggaatgcca tctacaagcc aagaaacacc 60
taagactgcc agaagctgag agagagaact ggaacagatt ctccctcatg ggcctcagga 120
aggtcctccc tcaggccctc ttgccggcac tttgaattca aacctgtcgc cttcagaact 180
gggagacaat aaatgtcttg tttaagcc 208

<210> 245
<211> 256
<212> DNA
<213> Homo sapiens

<400> 245
tttgagacaa cctttcgggg tctgctcatc ctccatggcg agtcatcttg caatgtgatc 60
tgttgcatca gacctccgtc tgggatcatc tttttcctgc ctgaagttcc agctttggaa 120
tctccctccg gagggtctac cagtggcaaa ctcttaagtt tttgtatttg taagtgctat 180
gatttcacct acgttctgga tacatgtgcc tcatactggg tacataattc ttgaaataca 240
ttttcactga atatat 256

<210> 246
<211> 438
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 246
aacgctgagc tgctcttctc tttgaattcc aaagagacat ctaaaggaag ccctcagctc 60
tgaagaccac ctagctggaa tctcagaggg agagctgggg acaggaaagg atgactactc 120
ccaccattct gtggacaccg agtccagcct ccgggaggac gctgagggaa ccttttggga 180
cagccagggc agagaacgcc ttttacttct taaggctctg gatcaaaaca gagaagcttc 240
tgtttcggag cctggcaatc ctcgaacatc agtgtgcatt ttaagccata aagcgcaata 300
ctgattacaa acaggaatac nggagggctt cctttaaact gcttcagaaa acaaactcct 360
cggggacttc gaaaggagct ctcaccatag ctcctgcaat ccactctgaa caggaaacct 420
tctcatctat ttattaaa 438

<210> 247
<211> 424
<212> DNA
<213> Homo sapiens

<400> 247
atcacatgtt ctattttcca aagaatttgc aatccacaaa agaaacagcc caggaagcat 60
gcggtggatg tgctaagtaa ctccacctcc ctggcgctga ggccagaaag cagacacttc 120
ctgcagctgc agttacacaa cgatgttctg tggatttttc gggcaatagt taatgattta 180
agacaataaa atcctgtgcc ctcctgaatc cgtgggcact tccctttgca ccacaaatgt 240
tggcctctgt ctctactgca gccacggtgg aaacagagag caggaaaaag agcttggaag 300
aggaaccctg aagaaggggt ggacaccacg catcccagac ttctacacgg ctagaaacac 360
ccctgactaa tattattact aaagtgtata catggtggca ggccctgttc taggctcttt 420
acaa 424

<210> 248
<211> 194
<212> DNA
<213> Homo sapiens

<400> 248
gtaaagccat tgaagcacat tgagacaaga gggaccccag agggaactca ttcaccttct 60
ttccaacggg tgcgggtaca gaagtctgca gcctgcacac ggaagaggac cctcaccaga 120
gcctgacctt gctggcaccc tgatcttgga cttctggcct ccagaacatt gagtaataca 180
tttttgttgt gtat 194

<210> 249
<211> 300
<212> DNA
<213> Homo sapiens

<400> 249
caattgcttg ttcagagctc ttggggatca attggaggga cactcacgaa atcatctcaa 60
gcacagacag gagacagtgg actacatgat aaagcagcgg gaagattttg aacccttttgt 120
agaagatgac attccttttg agaagcatga ttcgtggtac agagaaaagc agcgtgaggg 180
agttacacat cgcatatcgg tatggagagc actacgacgg tgttcggagg atcaatgaca 240
actcaagagg cacctgcaca tctccagacg gattttcaga tgcttcatca agatgaagtc 300

<210> 250
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 250
agtctcacgg ttgcccaggc tggagtgtaa tggcacgatc atcgctcact gtagcctcga 60
cctccatggg ctcaggagat cctcccacct caccctcctg ggtagttggg actagaggtt 120
gcatttcttt tttctggaag cacatctttt aaaagatatt tacatgaagg tctaccagac 180
atgaaattgg agttctagaa agggagaaga tgaggatggg gaagaaacaa tatttcaaga 240
agaaatctct caagaatttg ccaagtctga cccaaaacat caagcagttg atttaagaag 300
tgtataagcc caagctgggt aaatacaatg aaaaccacac tttggcacac cagagtcaaa 360
ctgagggaaa tcaaaaccat tattaaacct tggaaatccc ctttncnttn aagcacctnc 420
attaagataa atagctaatt tcctaaaaca aattatggga agccagaacc a 471

<210> 251
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 251
ttcttggggg gaggcttacn cttggcattt atagcttnag gcaannttgg aggaggggaa 60
ggaccccctt nccccaaagg gggaaccaag gccggaagga ccccccaaag gttccgggat 120
tgcccaccct tggccaaagg anaggggttt ttantttggg gggtaacaac ccgggggtac 180
cccccggggc cggaaatttc aaantctaaa attccgggaa ggggaacttg gccgccnccc 240
ccanattgga angggggggg tttgtggggg cctctttttt attttgaagc cttccggggg 300
ggaagccaan aaaaaccgcc gccgaaacca agaaacctaa gaaaaccgaa acttggattt 360
gctcccctta gcaaatccgc attcattcng gtgcccaagg ggaccaccgc catttcatnc 420
aagatgaaac cgtgggcccn aaggtttgac aaaggggtcc acaaggcagg gtttanatgg 480
gccccgttta aaaacttatg cttnttnttg cgggggggccc attctntaag gaatgggggn 540
ggggtcaana atgaattccn tttntttccn aattggggcc naaggnccga tggggcattc 600
ttttttaaaa aaaa 614

<210> 252
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 252
ttacatccag agcattccag ttgttaatga agaacacaga ggtgattttt cctatattgg 60
aaatttgatg acaaaagaat tcataggtcg acaattgatt ctaattatta agtctttgga 120
taccagtgaa gaaggaggaa gaaaaaaact gctggctgtt ttacaggaga ttcttatttt 180
acccacaatc ccaatatccc tggtttcttt tcttgttgaa agactactcc acatcattat 240
agatgataat aagagaacac aaattgttac agaaattatc tcagagattc gggcgcccat 300
tgttactgtt ggtgttaata acgatccagc tgatgtaagg aagaaagaac tcaagatggc 360
tgaaataaaa gttaagctta tcgaagccaa agaagctttg gaaaattgca ttaccttaca 420
ggattttaat cgggcatcag aattaaaaga agaaataaaa gcattagaag atgccagaat 480
aaacctttg aaagagacag agcaacttgg aantaaagaa gtccacatag aagaagaatg 540
atgctg 546

<210> 253
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)

<223> n = A,T,C or G

<400> 253
agcaatatac tgaaatccaa gattgagaac agcaattctg agagcaaggc agtcatctga 60
gtccaccgcc ttccagctgg cccaccttat gaaagaagca aaccctgagg gcgtggagga 120
gagaagaaac tgctgtcagc tttcccatca cacaacttct caggcagtgc tggcgctctc 180
ccctgctcac ttaggacaaa ccaacacttt tggaatctga ctgtcaagga gagtcacatg 240
gcaccgcgtt taacctcaga tcccaagcct ccaaatgggg tgtggtttct ccaaagggct 300
catgagactg atgtgtgagg acatgaggat gacatccggt tggtgtggcc actagaggaa 360
atgccntttt accnaggaca ggaagnaggg gggcccaatt ttcntttcca acatttcaaa 420
caacaaggng tatgtccgac ccccgattca actttcacaa acctgcactt aatc 474

<210> 254
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 254
gtattacacg ancccaaac cagaacgtct atgtggttca ggcntgccgc aatggaaaaa 60
actttgactt ctaattaaac acctgaaacc aatgaatcct cctcttggaa ccaataagac 120
tgggacatca tcagaacctg aatgacaaac ttttggaagc cagggtctca cgctgtcacc 180
caggttggaa tgcagtggcg cgatctcagc tcattgctac ctctgccttc tgggctcaag 240
tgatcctccc accacagcct gctgagtagc tggactacag agttgcctgc atttcagcag 300
tggatttaag caacctctat gtaaaatatt gcagcatgct gagcttaaga tatttcttgn 360
ttcctgcttt aatctaaagc tttgnaccaa tgatgantaa ctnggaaaaa gaaggccttt 420
tccaagggac atcgctcact gncctgatgc ccgngcagtg nacacttacc gactcagntt 480
tccaaagatc ctcaat 496

<210> 255
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 255
ttcgtgtttg gttaaagaga gacagtggac agtattggcc aagcgtatac catgcaatgc 60
cttctccatg ttcatgcatg tcttttaacc cgggaacaag aagactgtcc ataggtctag 120
acaatggnac aatctcagag tttatattgt cagaagatta taacaagatg actcctgtga 180
aaaactatca agcgcatcag agcagagtga cgatgatcct gtttgtcctg gagctggagt 240
gggtgctgag cacaggacag gacaagcnat ttgcctggca ctgctctgag agtgggcagc 300
gcctgggagg ttatcggacc agangctgtg gcctcaggcc tgcaatttga tgttgaaacc 360
cggcatgtgt ttatcgg 377

<210> 256
<211> 245
<212> DNA
<213> Homo sapiens

<400> 256
ctccagcaac aactgtttct tgtgactttc tgtgggactc tgaggaatgt tgggatgata 60
atcacaggaa ccaatggctg cctctggaaa gcccataatt ctgcacattc atggagcttc 120
actctgattc caaatccaga aagaccacca tgtcacttat ggagacactt gaaatccttt 180
ccacatcttc actcatcacg cctggggtga gaactaggaa tacgtgaata aaccaataac 240
acgtt 245

<210> 257
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 257
agtcaagaaa acttgnnggg gcccggaacn cctatnttgt ncagntgggc nctntccttn 60
tgggntantt anaaccctnt nnggagactt ttnatgctgg gtggttgggg acccatttta 120
annggccntt ngaggggttt ttttttntta aagggttann ttttnaaacc gggcntnggt 180
nggggttttn ggccngnttt ttgaacaggt ccncttaaaa aaccagaagg gcttgccaaa 240
aagaaatggc ttttngnaat gggcattccg gctttcgnat nccttgaaaa attnccggca 300
aaacacttac gacttaggaa gntttgctta anggccaaac acgaaagatg ggcccaaaga 360
aaccaaaact cgtaaggggg actttccaaa accccaagta cttctcttgc ccaaacactt 420
gtacctcaag tttcatttgc ccaggaagaa gccatatgaa gcctcacaag tggccttgca 480
ctttacccca agtaagccct tggaaagtgg tgggggcccc cgtacccttt tgtacccaag 540
ccggggaagt taagccgcct tgctcttacc ttccttcctt gggtttcacc tatncccgct 600
tcacttggca ttgcccaagg gggtttcttn tttcttggag gggcaaaaag ccccaaccac 660
caccctggtc ttttttgggc ccactttctt tccaagccna aaaattaaga tttgggctct 720
t 721

<210> 258
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 258
accgtggccc catctattat ttttgaagag gaaaactcct ggngccaaaa agtccaccga 60
tccttggttc agacaaggac ttccaattgc ttaatgtcag atgaatactg aaaggtcacc 120
agaggataca ccacggaaca cagggacacc atgactattg aagtgttgaa gattccagat 180
gaaacgtttt ttaaaatgta agcctacact gcagggcatg gtgttgtgcc tggagtcccg 240
gctacgtggg aggctgaggt gggaggaccc cttgagccca gaaattctag tgcaacctga 300
gcaacacagt gaaacctcat ttttaataaa atatttttta agcct 345

<210> 259
<211> 308
<212> DNA
<213> Homo sapiens

<400> 259
gatttctttt caaaagtgaa ctttggtgta gcctctggtc tggggcggaa gatgagaatg 60
agagggcagc ctgacccccc tcctgataag gaaggaccca gcgcataacc tgttcaggat 120
ctggagccgc acaaacacct gactcgcccc ttcaaaacaa gatccgcgga atggctcggg 180
acacaacaag aaattgccgg caacctgtga cggctcattt ttaccgacag tgggaggcgg 240
gcagtcggaa ggaatgccca tttctccggt gttccttccc agaagcaaaa gaacgtgttt 300
gtttatgc 308

<210> 260
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(517)
<223> n = A,T,C or G

<400> 260
ctgggagctc ctgcgtgagc tcntgnntta ngttagaant gcggtgtgac cacaccaggc 60
cagggaagaa acacgtgccc agcctgccat ctgccctcct gtcttggagc caggtctttc 120
caccagcttc cttcatcttt taacacttgg tgaaaaggaa tgacacgtca gtcaaagccc 180
ctggccggtg ctcatggagc atctggcagg aggaagcccc ttcctggctg gcctcccatt 240
catcagtcag cgccgcaggc tgggccaggg acagctgtgg aacctgagct gggaggcagc 300
tgtgaaaggc aagaaacaag gaaaggggac agaagtcacc cggtcggtga gccagctcgg 360
aggcaggcag agaaagcaag agaaggggcc tctcctgccg tcatcctaac ctcccaggtc 420
ctccccaaag gctcccaacc cttcccaaac actccccagt ctccttcctg tccccaccac 480
catccctntg gccctgattt acaagctggg cagtcac 517

<210> 261
<211> 94
<212> DNA
<213> Homo sapiens

<400> 261
ggcagcccca tgaatatgaa gatacttgga aagtctttac tacagagcat gatttcagga 60
atgatgaaac aataaatgag aatctggtat taat 94

<210> 262
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 262
ttaagtcgaa ctgnggagag gaanagaaag acagagtnnt gttctgtngn gcatgctggc 60
gtacagtgcc acaatcacag ctcaccgcag cttccaactt ctggactcac atgatccttc 120
tgcctcagac ttccaagtac ttgggactac agtcacgaat caccacancc agcttggann 180
gantttttta ngggnaaana ccagtcaatt ggaactggaa ttatatgact tggggccaaa 240
ataactgtgg tcagctgact tgttaccgta tttaatttta attttggagc ttgtattcaa 300
aagctattat atgaatataa gaataaatga ttttttttaac at 342

<210> 263
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 263
ttaagttaga tgtntggnna ggaagngaaa gacananaca tgaanggagg anggnccnag 60
nnnggacnnc aagatgccat ctataagcca aagagaagcc tnagangaag ccaaccntgc 120
tgacaccttg ttcttggact tctagctttc agaactgtgg gaaaagaaat ctgttgagtc 180
atccagtctg cagtactttg ttatagcagc ccaagcaaat gaatatacct tccttgacta 240
cttcatctta taacgtgcaa atacctcaac ttcagcacca tttacatgtt tattcactgc 300
ctttattggt agtcatttgt gtcttcccca gaagactgaa gctattaaaa gactgataat 360
ctatttnata tcttttggna ttatcaagct caacatggta tcttcccaca ataaaaattt 420
gactttctgt actcttcctt ccattaatgc ccgagtgaaa atatggctgg tagtggtttg 480
ctgaagtaaa gcggattctc ctgcctgaaa aaaaaaagaa 520

<210> 264

<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 264
tgtacaactg tgatccaagt caacgtcagc cataaatcct tcttcaaaaa attcactgga 60
tacctagaag aaaatgaaac acctttactg ttacattatg gtacctagcc tccaagaaga 120
ccccgttgtt ccccactctt ggtattcaca cctttgtata gttccctgct cactatacca 180
nagcgggtct gcgtgaccat aaagaagtgc ggaagtgtcg gcgcatcgtt tctgagacta 240
gtttataaaa ggctgcagct cccatctctc tcagatcact tgctctgggg gaaaccagcc 300
accatgcagt gaggacattc aggcaagcaa gcacccaggt gatgaggagc tgcatccacc 360
aactgtgagc gagccccgag ctccgcagcc ctggccgaca gcctgactgc agccccagga 420
gacgctctgc gccagaatcc accagctgag ctgctcccag accctgactc gtaggaactg 480
tgagatcatc aatgtttgtt ggttaaagct gctaagtttt ggggtcactt gtgacacagc 540
aacagataat attcttccct aataga 566

<210> 265
<211> 334
<212> DNA
<213> Homo sapiens

<400> 265
ggccgacaag ggagataaat tccgtaatgg gagctgcggc cctgctctcc tgtcctggtg 60
gagctttggc tgatggaaag gattcagttg cctgtctgaa cagtgactac catgaactct 120
acatgctgtc tacttctaac cctctttggc ctgactccag cttcaacacc tggaaacatg 180
gcaaaaagaa caggggaca ttggcttgga ctggagccac gtgtcagagt ttgactcaag 240
gatagttgat gtagaatgaa gagaatgagc agggaacaag aggtataaat gtgcatgatg 300
tttattcatt caacaaacat catttgagcc cctg 334

<210> 266
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 266
tcctgtttga gttnatntga gggccaggaa gggaaggaca aacctcccta ttaaagaaat 60
ccctggactg gaaaggactg gaacattggg agtggaagtc cacattagcg gaatagtatg 120
ttctgaaggc atttgagcag atgaaaacct gatacatgag acataaaacc tgaggaaaat 180
tatttcatgg gaacggtaaa aatggtggag agggtaaatt gggcaaggga gaagaacgga 240
ggagagggag agggaagtgc tgctgaactt atttcaaaga agaagaagaa aaaaaatgat 300
ctcttgtttt tcattaaata atggatgctc tccaggcc 338

<210> 267
<211> 432
<212> DNA
<213> Homo sapiens

<400> 267
cctactcagt tagaagatga caaggatgaa gacctttatg atgatccact tctactcaat 60
gaatagagaa atcagcaaag gacggtgtgc aggccagctc ccttctcaag ccatgtggtt 120
ggcagaccct gtgggagcct tccgggaccc acccttccat cctctgcaca gccgctaaag 180
gagggtgagg agcccacacc agaactggtc tgcttgtgag atgcctgaag aggacagtcc 240
cagttgattg tgttttctta actgtagact ctaatctctc caggtggaat cttaattgag 300

gctggccctg ccagggcatg tacagggtcc tgggaattca acagaatgaa ttcaacagaa 360
tgcatgggat ctgatgtcag aaatgccttg cttgtattct gaccatatca catatgagct 420
atgtggtgat tt 432

<210> 268
<211> 255
<212> DNA
<213> Homo sapiens

<400> 268
gctggagtgc acaatcacag ctctctgcaa cctcgacctc ctgggctcaa gcgatcctac 60
cacctcagtc tcccaagtag ctgggactac aagtgtacat caccatgcct ggctaattga 120
ttgtcaattt ttgtagagat ggggtatcac catgctgccc aggctgccaa gtctttatgt 180
actttccgac tcatcaaaag actaaattat gttcaatact attttagcat taattaaaca 240
tattttgcta tattg 255

<210> 269
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 269
gacggactct tgctgtgtca cctangctgg agtgcagtgg gcgcaatctc agctcactgc 60
aacctctgcc tcccgggttc aagtgattct cctgcctcag cctcctgact agttgggact 120
acaggcacat gccaccatgc ccagctaagt tttgtatttt tagtagagat ggcgtttcgc 180
catattggac agactcctga ccttatgatc tgccctcctc ggcctcccaa agtgctggga 240
ttacaggcgt aagccactgt gcccggccat gcattcattt cttacacgta tcattgttgt 300
tttaaaagtg aaaagcctaa gaagagatgt taggtttgct tgttagggta ggattaattt 360
ctaggtacac caagccaaat ttncagtcct gctgntaaca cccaacttct tgngaaccct 420
tttttttt 428

<210> 270
<211> 286
<212> DNA
<213> Homo sapiens

<400> 270
gttggagtgt agttgcgtga tcacagctca ctgcagcttc aatccccggc tccagtgatt 60
ctcccacctc agcccccgag tagctgggcc tacaggtgca cattacaaca cccagctagt 120
ttctgcagtt tttgtggaga gatcgtttca ccatgttgcc caggcatttc tcaaactcct 180
gtactcaagc aaaccttcca ctttggcccc aagtactggg attcaggcaa gagccaccgc 240
gtctagccaa ttatacaatt tttaaaataa attgaaatgg tcgttg 286

<210> 271
<211> 285
<212> DNA
<213> Homo sapiens

<400> 271
gtcctgatat ggaagaaact actgatgtca gctgaaggac cacactgatg cagctgtcct 60
gaaggactcc ccgaggagct acctcatcaa aaaatacagt ttccactttg cgatgatttt 120
atccccttg ccccaaccga ccagcaaccc cagtattcca gcccctcact ctccacaata 180
cccttaaaaa ccctcatccc agaactcctt gaggagatgg atttgagggt cccttctgtc 240
tccttgcttg gccacccctc aatcattaaa ctctttttct gctgc 285

<210> 272
<211> 326
<212> DNA

<213> Homo sapiens

<400> 272
gctgtggtac cagtggtatg aagaagcaac taagagaacc caatggatga gttcctctgt 60
ttcagtaaat aatcaaaggc aacatctgag ctggataatg aacaggaaga aaagaccacc 120
aagtatcatc attagtggaa tactgactga aatgaatcaa gatctcttcc tcaaccaaca 180
tgacagaaac attccaaagc tgccttcatc aacctaggtt ctataagaaa ttaaagtcct 240
aatgctctaa tatatgctat tataggcaat gagctcttaa tcctatgcat ctagaagact 300
ggctatgtat caccccttggg agaact 326

<210> 273
<211> 362
<212> DNA
<213> Homo sapiens

<400> 273
tctccaaaat actaggtgta tggtgttatc tttccaccac tggtgaaaac aacccatggt 60
ctaggcactt tggagtagca cccaccagct gtgtgaaggt caaatggatc ttaaagagtt 120
gtgcagtggg actgaaagag gagagtcact atttcagaga taaccaaatg ttaaaaaaaa 180
gagttttgaa aacgtggaca agcttcaaat gaaaagaaga ggatgacaga ggacttggag 240
gggaagaaaa caaaaatcat aatcatagac aatattgttc accatgtaca agacagtgtt 300
ctaagcagaa tgagtgcctt tggtgatgat acctcgtcag gaccacagta aacttaccca 360
ct 362

<210> 274
<211> 105
<212> DNA
<213> Homo sapiens

<400> 274
ggaggctgag gtgggaagat tgcttgagcc caggagtttg agaccagcct gagtcaacac 60
agcaagacac tgtctcttaa aaaaaataaa taaatacttg ttttg 105

<210> 275
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 275
acagggtctt gctctattgc ccaggctgga gtgcagtggc acaatctcag ctcattgcag 60
cctcgacctc ccaggctgag atgatcctcc cgcctcagcc tcctgagtag ctgggactac 120
aggcgcgcac caccatgcct gctgattttt tgtagagaca gagtctcgcc gtgctgcaca 180
gactagtctc gaactcctga agctcaagtc atctgcccac ctcagcctcc caaagtgctg 240
ggatttcagg tgtgagccac catgcccagc catattcttt ttttttttc aatngnnggg 300
aaattcccnt ancataaaat taacttttta aacngaacaa ttcaggggg ntaaaaanat 360
tnanaagggn ggactannan aaccttngnt tagttccaaa anatttttnt taccccnca 420
aaaagcccan acnttggang nnggaacttc ccnttttcc cctnntccca gccnttgaaa 480
acnacnaann tggtttttgg tggntngnct nttttggnnn tttnanataa anggnggttt 540
ttaatatg 548

<210> 276
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)

<223> n = A,T,C or G

<400> 276
tggggagctc ctgcttaagt ccganctgng atatgttccg tttaaggctc tgaagatggg 60
gagagaattc tggatgatcc aggtgggccc ttaataatgg tcccttatta cagagagcca 120
gagggagatt tgaaactgac aggagaagtc agtaagacca tgaatgcaga gattcgagta 180
atacggctac gagccaaaag atgccagcag ccacctgcag ctggaagagg cataaatgga 240
ttctccccta aagctcccag gagtgtggcc ctgctgacac cctgatttca gccccatgat 300
actgatgttg gactggtcct cagaactgtg aaagaataaa ttcctattgt tttaaacc 358

<210> 277
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 277
aagngattgg aggtgagtca gcttcaaccg tgccatgagg acctcaccct aggaggtggc 60
agagacaccg gaggaatgga acccaagtca tggaataacc tcacattgca gagccacctt 120
gctaatcttg gactgctcac ctctggacta tcactggaga aataaataca cttttaagtt 180
gtt 183

<210> 278
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 278
ggggagctcc tgcttaagtt acgaagctgn nattcattct ntagaagggc atcanaggaa 60
gataaagaag gatcctcaat gtcagacatc tgagcccaag ctaagccatc ataatccctg 120
tgacgtgcac atatacatgc cccactccaa ctaatcaatc gaccttgtga cattcctccc 180
ctggacaatg agtctcatga tctcccaacc ctgcaccttg tgacccctcc cctgcccaca 240
agagataacc acctttaagt gtaattttcc actacctacc caaatcctat aaagctgccc 300
cacccctatc tccctttgct gactctttgt ggactcagcc cacttgcacc caagtgaaat 360
aaacagcctt gttgctctca c 381

<210> 279
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 279
gtcgaactgt gaccctgnnc tcccttgctt tantggaatt ctcttccagc ttcttggacc 60
ctgtactggg gtgaagagta tcttccaaaa attcacatct acccagaaca tcanaatatg 120
aacttttttt gaaatacgtt tttgcngatg taatcanata aaaatgagat nataccanat 180
tagggtnggc ccttatccaa tgaatagtat ccttacaaaa agacggaaac ttggacatgc 240
acattccggg ggaacctcca tgtgatggtg aacactaaga ctggagtgat gtgtctacaa 300
gccaagaaat gccaagattt ccagcaggca ccagaagcta gtagagaggc atggaacaga 360
ttgtccctcc gaacctccag aaggaaccaa gcctgcagat gccttaattt cagacttctg 420

atgttcagaa ctacaaaaga ataaattcct gttgctttt 459

<210> 280
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 280
tggggagctc ctgctttaag ttagaactnt gggacagnat gtcngtcnna cantttatc 60
ccggntggaa tgcagtggtg tgatcctcct gcctcagcct cctaagtagc tgggactaca 120
gagacggggt ttcaccatgt tgaccaggct ggtctagaac tcctgacctc aagcaatcca 180
cccacctcgg cctcccaaag tgctaggatt acaggcgtga gccacctcgt ctggccaata 240
aacagaactt acaattgatc tnaaaaaaaa aaaggccggc g 281

<210> 281
<211> 252
<212> DNA
<213> Homo sapiens

<400> 281
gaagatgagg atactgacag agtaaaatca tggagaaaat ggaagaactg aatgcagaca 60
tgagaagtta aatcacagaa gaaaagttaa gcaggaactt gagagaggga tgaactgtga 120
caagttgtaa gaaggaagac caggactcac caggaaaata ataaattgtc cttgatcgta 180
caaaagaatg tgttaatgga attttcctaa taaatgtgag agaatgtcag cataaatatt 240
gattttaaaa ac 252

<210> 282
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 282
atggagtctt gctctgttgc ccaggctgga gtgcagtggc acaatcttgg ctcactgcaa 60
gctccgcctc ccaggttcat gtcattctcc tgcctcagcc tcccaagtag cggggactac 120
aagcacccgc caccacgccc ggctaatttt tgtactttta gtagagacag ggtttcactg 180
cgttaaccag atggtctcga tctcctgaac ttgtgattcg cccacctcag cctcccaaag 240
tgctgggatt acaggcgtga gccactgcat ccggcccagt aatcttttaa accacactca 300
ttgnctaatt ttgctagcaa ttcaatataa actttatgct ttgaaaataa aattggattc 360
attttgaaga cttaaaaaag 380

<210> 283
<211> 120
<212> DNA
<213> Homo sapiens

<400> 283
gtcatctttg atctatcaga ttttaaggca tcatctgaca gcagatcttc aataagtatc 60
tgtggcatga aggaaaaggg aaaggaaaag ggaaaggaaa aaggaaagga agaaaggaag 120

<210> 284
<211> 317
<212> DNA

<213> Homo sapiens

<400> 284
gttcatgtgg aaccctgggt tctcctacat accatttgga gacgctgggg accagtatta 60
aagaaaaatt atccagacac ttgtaaaaat gcacagtgat ggacattgag gaagatattg 120
tatatttgtt cactcaacac tcattccaac gctctcctag tttgcctttc tatctactac 180
aggctggaag actgactcta gtggagcctg ctgtctgaaa ctccgaagtc tgaccaaagc 240
agcaaccccc tctccattat ccctgttccc cctcctctca cgacataaac aaaagtgtaa 300
gcatggaaat cataatt 317

<210> 285
<211> 300
<212> DNA
<213> Homo sapiens

<400> 285
atgtaaagag ccatgaaaca gatgtgagag atgccctgac ttagaagccc cctcttcaca 60
ggtgccaaca tctcttgaac aactcagcag gcatggtttc aaagaccccc ccacacaaaa 120
tgcccgatta tgagtcaaca ccttccagga agcccaaagc attttcctta tctggagatc 180
ctctgtcagt caaattccac tattatgaat acagcaaaac aatacagaag aaatgagacc 240
attatgtaac agaaatagat gtcacagaga tcacacaata aagctcacgc aatttactcc 300

<210> 286
<211> 436
<212> DNA
<213> Homo sapiens

<400> 286
ctctgttgcc caggttggag tgcagtggtg caatctcggc tcactacaac ttctgcctcc 60
caggtccaag ctattctcct gcctcagctt cctgagtagc tgggattaca cgcacacacc 120
accatgcttg gccaattttt gtattttaaa agaggtgggg ttttatcaca ttggccaggc 180
tggtctcaaa ctcctgacct caagtgatcc acctgcctcg ccctcccaaa gtgctgggat 240
tacaggtgtg agccaccggg cctggccaag agttacttac atttttaaat gacacattat 300
ggcattttat gggagaaatt cttctgctgt cggcaatatt cgatttgagg atttgaccag 360
gtctctggac atctccacac gtgtcaatgg gctaaggtgc tttaaataaa caaggttatc 420
tgcataagtc cacaat 436

<210> 287
<211> 388
<212> DNA
<213> Homo sapiens

<400> 287
attggcgtgc ttaaagggct gaccatctga tgtacaggaa atggaaacta ctctctgaaa 60
agcaagtgat ctcccagccg cacccattta ggagaccagg attttatttt gatccacagg 120
agactaaatg agttagaggc cactcctgta tcaacagagt ttgttactta aatgacagta 180
gggcggttcg cagaaggaac accaaatagt ctgactatct accaagaaga gagtgtttga 240
acacatgtgc aacctcttga ctgtggtgtg tggggcagca tttaataaga aagagctaaa 300
tctgcttgat gtgggaatat attcaacaca tgttaagtgc taaaatattc aaagtaaata 360
aatgtctatg tactccatat tgttaaag 388

<210> 288
<211> 324
<212> DNA
<213> Homo sapiens

<400> 288
cggctgaatc acttgagctc aggagttcaa gaccggcctg gccaacatgg cgaaaaccca 60
tctctacaaa aaatacaaaa attagctgca cgtgatggtg cacacctatg gtccccgcta 120
cttgggaggc tgaagtggaa ggattgcttg agcttgggag gcggaggttg cagtgagcca 180
agatcatgcc actgcacgcc agcctgggtg acagaggcag accctgtctc taaacaacaa 240
aaaaccccac tgaattgtat acgttaaaag gactttacat cacgtgaatt acatctcaat 300

gaaaaataaa atactgaatg aacg 324

<210> 289
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 289
gtggaaagag aatagcttgt gagagtgtat gagtggaatg aagtggtcag atgagagagc 60
gcggcggaga tggagagaag cggagaactt gatgcatatt ttggaggcaa aatcaacaag 120
attggctgat ggattaaaag cagaanattt tgccatanag aaatctcttg cttttcaatc 180
tctccaattt gggaaccaac caaccaacca gtctaccaac cagccaacga accaactact 240
caaccggtca actgactcct cccggagaca aagattggag aattgcttga atctggtaca 300
aagactaaag caaagtaata ctgtatcatg cacagacctc aactctgtga agacagtccc 360
tcatgctgta ggaagtcagc cttgaatatc taggcttagg ggaggctgag aaaggtcacc 420
actggagaag taagcggttg gggcaggtca ggatccaggg ctctcaattc ttatggagag 480
attttgcttt tttaaaacat canacctgct ggtgntgcac tcagttttct ttcttataaa 540
aatcaactct ttttgagatg tactg 565

<210> 290
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 290
canattgcng cncnnnggna aaanaaacag ccatgttgct cacacaaagc ctgtttggtg 60
gtctnttccc acggacacgc gagacaatga ggagatacaa ggtctcgctg ttctacctag 120
gctgttctag aactcctaat gtcaagctat cctcctgcct nggcctccca tgctgttggg 180
attacagcta taaattcata caattatcag agtttggttt tggtcaagtc ataattgtga 240
gtgaagaacc atggaaggag aacatttctt gctcatcaac tactttcata aaatcaacaa 300
tttgcttaag taaagtcttc aaaataaata ctgattttaa tga 343

<210> 291
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 291
ggttttgctc tgtcacctgg gctggagtgc tttcgtgcag tctcagctca ctgcagcctt 60
gtcctcccca gctcaagcaa ttctcctgcc tgagcttccc aaatggctgg gactacaggg 120
cttatgtctg ggatcctcac agagactaga agtgtctccc atccccatcg cagtccctgg 180
cacttcctgg attgtcgagc ggctccctgc ctctgcccct ttgtattcgg agctacagcc 240
ttgcctcccc tgttcccacc accctgacca cccctcaaca ccatcccgct gtcagctccg 300
ccgccaactg aggcgacacc tgttcatgga aaccctgtga gcctcttctg tatccataca 360
caataggtaa tgntgnttta cgtgtttcaa aacattaatg gtg 403

<210> 292
<211> 185

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

<400> 292
cccagcccca cgtaaacaag cccagctgtc ctgctagaga ggttctgggg tgaggctgcg 60
aggagaagag ccttgatttg aagccttaag agtgaccctg agcnagaacc acccagttaa 120
gctgtgtctc cattcctgag ccacagaaac tatgagatga taaatgttta ttgctctaag 180
ttgct 185

<210> 293
<211> 231
<212> DNA
<213> Homo sapiens

<400> 293
agacaaggtc tcactctgac acccaggctg gagtgcagtg gtgtgttcat agctcactat 60
aacctcgaca gtgagatcct gagctcgagt gatcgtctcc cctcagcctc ccaaagtgat 120
ggaattatag gcgtgagcta ctgtacccgg ccactgttgc tgttttgaaa gggagccctc 180
ctctccccta ccacattcta tattaagaaa ttccaaatta aatgaagaga t 231

<210> 294
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 294
gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagngc 60
agccctcacc agacaccaaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
ctatgaaaaa taaatttctt ttgtttataa atc 153

<210> 295
<211> 289
<212> DNA
<213> Homo sapiens

<400> 295
ccacggaact gggattcctg aaaatcaaat acagaactca tcataccatt ggttgaatta 60
caatgttcta ctttaattgg gcacttacaa agtaattctt caatcagtgt ctctaatgtc 120
tcactgcttc ccaacaaatc tacgaagaca gaacaaaaga tgcaacttac agaaacacag 180
aaaattaaga ctgtcagagg acatagtgct tgattcggag gtggttggga gagagatttt 240
cactgaatag cagaataatg gaagattatg ataaaaataa ttaatggtc 289

<210> 296
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 296

gcatgtgaca atgcaatgag aagntggcng nctgnnnntc acaagagggt cctnaccata 60
acctgaccat gctggcacct tgattcccag cctctataac tnnaagctgg gcaactacca 120
tntncagaag tgtaagaatc aaatttntga tgtgtataag ccatgcagnc tatgatactt 180
natgatagta nccaganctg actatnatac agggncntat acatatttta tgcttcntag 240
tnntcatctg taaaataaaa agtttgaaaa caagg 275

<210> 297
<211> 292
<212> DNA
<213> Homo sapiens

<400> 297
gtctactctg tcgcccgggc tggaatacag tggcaggatc acagctcacc gcagccttga 60
cttcctgggc cctaagatca ggtgatcctc ccacctcagc ctcacaagta gctgggacta 120
cagacaccca ccaccacacc ttgactaatt tttttatctt tatttttttgt aaccggtctc 180
aaactcctgg cctcaagcca tcctcccacc tccacctccc aaagcgctga gattacaggc 240
atgagccact gcgcccaatc tagaccctaa taatgaataa aacattaaaa tt 292

<210> 298
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 298
acggagtctt gctcttattg tccaggctgg agtgcaatgg cgtgatctcg gctcaccaca 60
ccctctgcct cctgggttca agcaattctt ctgcctcagc ctcccaagta gctgagatta 120
caggcatgca ccaccacact tggctaattt tgtattttta ggagagatgg gtttctccat 180
gctggtcagg ctggtcttga actcctgacc tcaggtgatc cacccacctc ggcctcccag 240
agtgctggga ttacaggtgt gagccaccac gccaggcctt ttttttaatt ttagtaagaa 300
agaggtctcc ctatattgcc caggttggcc tcaaactcct gggcttaaan aagtcctcct 360
gcctcaacct ctcacaatgc tgggatcgca ggtatgaaca accacaccca acccnggtan 420
gggtattatt atcatcatca acaatggtat tctttggttc tcttaaccaa actgaatgcc 480
cgnacctctt ttcacaatgg cttttccttt ctggantggc ctttggcttt gttngnattc 540
atgtttcaca tcantaaaag cccctcttca ggatgcc 577

<210> 299
<211> 148
<212> DNA
<213> Homo sapiens

<400> 299
gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagagc 60
agccctcacc agacaccaaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
ctatgaaaaa taaatttctt ttgtttac 148

<210> 300
<211> 338
<212> DNA
<213> Homo sapiens

<400> 300
gaagggaggc agcccgagca gacttactga aggatgagct gatctttgtt caaatcctgg 60
ctttaccact taatagctgc acacttcctg cagttcctcc cacttatctg agtctcagat 120
gctccccgtt aagatgggtc caatagctac cactgcattt acctcgaagg agtaaatgag 180
gattaactaa gcgcctgatg tgaagaactg tgcctgcagc ctttgaagga agccaggctt 240
tcgaggatgt gtgaggcctg gggaattcat ttgtttcaaa taaccatcaa tgagattcca 300
gatttcctgc ccagagttaa aatcggtgtt gaaaaccc 338

<210> 301
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 301
tggggagctc ctgcattaag tgagganctg anattatntg tatgcacatt ncatccggnt 60
ctcanatatc gnnacttgtt caccacagta naggactcan aaatacccat ggcnacncac 120
tggagatcct cactgnctca ngggcnnagc tggtttgaac acggtctttc cattgnttna 180
ctgcccgcca ttnaccctca aggtccattc tgtgccaagg cattgcatgt tctcaaggca 240
atgaccctgg agaatgaata gccatgngtg gcagtataag tgcttggaag gtgacttagc 300
ccatttgaac aataaaactg tcttttaaac aggt 334

<210> 302
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 302
ntcagagccc ggcgctgcat cagactcacg tcaactaana aactncncct gtttatttaa 60
annaaatcna gccccaccca nttgaagtca ctgatgtaac tcagcaaccc acttggntcc 120
caatcctgga aggatacana catgttcatg angcttcngg cgcatatgtg acanaacttt 180
ccatgaaacc aactggccat gantcnaagg actccttcac agagacaaat ccatctcctt 240
caaataccca nattctattg gtgngggaaa ggcaacgatt tgaaaaactg gagcatttta 300
cctaaaggga ttttaaaaaa tcccaccatt gctttatcac aacttggggg attattantg 360
gatttccctc cctcttgctc ccanaaggng gactttggag aaaaagagag tttgggagct 420
aagaataaac cgcatttctt gcatatgt 448

<210> 303
<211> 216
<212> DNA
<213> Homo sapiens

<400> 303
gagagacggg gtttctccat gttgcctagc ctggtctcga acctctcacc tcaagtgatc 60
cgcctgcctt ggcctctcaa agtgctggga ttacaggcgt gagccaccgt gcctggccct 120
agcaagtcac ataatttata gagggtaact ctgtcgattt taaacttcgc gtagtctgac 180
ccattcattc atccaataaa cacgtattca gcacct 216

<210> 304
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 304
catgtgagaa cacagtgaga aggtggccat ctacaagcca agaagagagc cttcaccaga 60
aatggaattg gctggcatct taagtttgga cttcccagcc ttcaaagctg tgagaaaata 120
aatgttgttt aagcccttgg ngaaaaagac aaannaaact gcttttcaaa aaactnanna 180

anaanttgga cggngncggg ggncncctnt gtgnnctttc nacacnncgg gnnttttttt 240
naaanggggg gggccccccc 260

<210> 305
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 305
gctcagctca tcatgaagaa tgtccatgtg actttggtta ataaaataat agatccagtg 60
gactgtagtc tgtttaactg agacctcaca cataatgtca tggttgacag ttactggttg 120
aaggaaatcc atgttgggct tctgtggatg ctggattctt tccttctgag aagaaatata 180
acacactgac tttgaggtga tggtggagaa aaagtacaag cagaagactt ttcncaactt 240
ctccataggc tggagtgcag ttgcatgaac atggctcaca gcagcctcaa cttcctgggc 300
tcaagcaatc ctcctgcctc accctccata gtaagctggg accataggca ggtgtcacca 360
cacccaggtt ctgtaactgg agactgccaa tgaaactgcc aaaaggcaga ttaaccagga 420
gaaaagacat acagacttca tctgatggtn acaggttaat ttttacatgc atggaggcct 480
tcatagaaaa agaagtgaan gccctaaaga agtgatttta 520

<210> 306
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 306
nnactgncgc actacagctc acgactgcng ccagcatact gacaatgacg cagcccggac 60
ctgggctgtc tctacccaca ggaccctctt gtggcccctc ctggacacac ccatgttcct 120
cccagatcac ccctcgtgga ccccccacaa ccactgaact attctccaca gctacacttt 180
tgccatttca agaatgttat gtaaatggaa tcatacagta acctttgga attggctttt 240
ttcactcagc ataattctct ggagagttca tccaggttgt cacaggtatc aatagttcat 300
ggtgcggacg tacaatttaa cgtttcaccc accaaaagac attggggttc tttccagttt 360
ttgactgcga caaataaacg aatataaaca ttc 393

<210> 307
<211> 304
<212> DNA
<213> Homo sapiens

<400> 307
gacttctcta tcaggcagca cccaccagag agcagttctg aaactgagac taccagatca 60
gaaacaaaca agcaaacaaa aaaagaccca taggagctgg gagtgcccat ccaagtacat 120
ccacatcatc cagtaaaaga aacagaacct tgaagtcaaa cagactggtt agcacacacc 180
tcctccgttt gctagttgtg tgactaaggg cagtttctta actactctgt gcctcctctg 240
taaatatcaa tgtgctaata atcccacctc gctggatcat ttcaaaataa aatgcataac 300
attg 304

<210> 308
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(365)
<223> n = A,T,C or G

<400> 308
gcctatccag taacagagtc tactgcatca tattaactga taaacccagg atgacaagag 60
aaacatggga ctcactcttc atttgcattg actccagcta agagcttcag ttttcatgct 120
ttgcttcaaa attattggtg agccctgtgc taatttccat ctcatcctag aagtcagtta 180
ttttataagc atgtaattgc ttataaaaat aagctgggaa ggaagaacat tttggaagag 240
ggaggcatat gcctgaaaga agaaggggat gggaatacag tcagttgcta ttttggccca 300
naaatatgtc aggcaaacat gtaggnattg natttccttg attgncttaa ttattggaga 360
aagac 365

<210> 309
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 309
tgggactcct gcttagtcga actgagccca gtgccgtggc tcatgcctgt atccagcctt 60
ttggangccg ggcaggcnga tcacganatc angaaatcaa gancatnctg gccaacgcaa 120
tgaaaccccg tctttaccaa aaatacaaaa aaattaacca ggcgtggtgg cgggcgccta 180
tagtcccacc tactggggaa gcttaggcag gaaaattgct tgaacctggg aggcagaaat 240
tacactgcct gagattgcat nactgcctnc acctgggcaa caagacaaga ctccgtct 298

<210> 310
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 310
gtcaccaggt atgcccctgg gctcctgccg cagctgatcg ggtgctaggt gctgaggata 60
caccgtctgg gagaaagcaa ttggaagaaa tgcaaagctc ttcaaaggag acctataaag 120
tcatctttgt tttgttcatt cttctcatgt ttctgcattc tgggcattct cctaaattgg 180
ggagaaacca aaatgcccag aagtcaaatt ctgcaactgt catcaagcaa aatgtcaaat 240
gagagaacca aagtatgctg gattctatat tgttaggaag ggatggntaa tttgattgac 300
tcttgggagc tatttctcta gcattaagta attctaggga acccttctgt gatcatctct 360
gagtaaataa agaaangaaa ttgcaattca aaaaaaaagc cagcgaggcc anttcagctt 420
ggacttaacc aggctgaact tgctcaaaag ggggggggg 459

<210> 311
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = A,T,C or G

<400> 311
attccggctg tgggctcctt ggaggaagag cagaggtgaa gcgcttctca tcccaccaca 60
tcaggggtcc tgcctcggcc cggctcactg ctgatgttga cctcggctac ctggcagagt 120
gtgctggcca ggtttctcca gcatgaagtc actctcgttt cccttggcga tgctccttcc 180

atcaaaacca gagtgtccca gctctagatt ccccacccaa tctcctgtgg ctgtctcaac 240
acctccgtcg tgaatccgtg catcccttca gacgactgcc ttccgatgcg gccctgacct 300
gccccccctc ccatcactga ataggactcc ttttctcctg gatttcctgt aggaagtttc 360
aaaatgctct ccaggntttc tgngggtgga ttatcctctg gatctttcta aagtgaagtc 420
ctggtttcac cacaactccc ccgacacagt tgaacaactg taccgngggg aggcttggnc 480
ctcttgcccc atttggggga tgncattgna atcatgccaa gggccctgac gtcanaactt 540
cacctgacat gtgctcatgc cgggttacaa accttccaag acaag 585

<210> 312
<211> 117
<212> DNA
<213> Homo sapiens

<400> 312
catttgtcac attgcaaaag acctcaacgc acagctgact ccagggtgga aagaccaacg 60
acacgccgaa attcatcctg cactccagcc tgggcaacaa gagcgaaact ctgtctc 117

<210> 313
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

<400> 313
agtttggctg tgttgctcan gctggagtgc tgtcgtgctg tcatagccca ctgaaacctt 60
gatttcctag ccttaagtga tccccccacc ttggccttcc aaagcattgg gattacaagc 120
atgagccact gc 132

<210> 314
<211> 263
<212> DNA
<213> Homo sapiens

<400> 314
atgaaccatt tctggtgcag aaaaggctcc gatgctgctt ttatgaagga acataatgct 60
agcttggaga tcacacaatt gcagacctct ttcctccggt tgggaaatat actgaagaac 120
agaagacacc tgctctccct tcacctccca ccatgattgt aagcttcctg aggcctcact 180
ggaagaagct aagaagatgt tggcgccatg cttgtatagt ctgaagaacc atgagacaat 240
taaacctctt ttctttataa att 263

<210> 315
<211> 362
<212> DNA
<213> Homo sapiens

<400> 315
gtctgacctg tcagtggctc agctgagatt caaacccgga gccagcacgc tgacccagtt 60
cacctgtgcc cgacatcatg cacgacagcc ccaaatgttg agcaggccag gccggcacag 120
aaaccactgc gcacagatgg tctctcctcc ctgtcaccgt gacctccaac ccctcccctc 180
agcgctccgc cccagagggt tgctgcatcg gaacttgcgg gcacaggacc tggacagccg 240
cacttagcaa gctcttcctc cacgcccatg gtgactgtaa ggtggggagt ctgggaccat 300
gggggcaccc acctccagca aacacgccac aagcaccttg gaaaattcaa ttctgcctcc 360
ct 362

<210> 316
<211> 141
<212> DNA
<213> Homo sapiens

<400> 316
gttttttggg gattgaagaa gatgaagaca ttgcaactaa taatgacact gctactacgg 60
ttgtaggaag gaacgcacta aggaataact agaaacggat gaagaagatg atacagagcc 120
acgctgcagg actattttga t 141

<210> 317
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 317
atggagtcta ctctgtcacc caggctgacc tcgactcaca gcaacctctg cctccagggt 60
tcaagtgatt cttctgcctc agcctcccga gtagctggga ctacaggtgt caggcctctg 120
agcccaagct aagccatcat atcccctgtg atctgcacct acacatccag atggctgaag 180
taagtgaaga tccacaaaag aagtgaaaat agccttaact gatggcattc caccattgtg 240
atttgtttct gcctcaccct aactgatcaa tgtactttga aatctcccgc acccttaaga 300
aggttctttg taattctccc cacccttgag aatgtacttt gtgagatcac cctctgcccg 360
caaaacattg ctcttaactc caccgcctat ccaaaactat aagagctaat gataatccac 420
caccctttgc tgactctttt tcggactcan ccgcctgncc ccgggtaaaa taaaaagccn 480
tgtgtcacgc caaaaaaaaa aagggccg 508

<210> 318
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 318
gtggggtctt tcattggcgg cagagtctgg ggctggcatg gctgctgggc tgcttggctc 60
tgaggaccca ccgtggagtt ggaacctgac ttgtcgggcg ctgaggacct gccaagtgag 120
gaacattcga gttctgcagc tgctgctaaa accatggtgc atctccaggg cccgtctatc 180
aggtgccatg cgtgccatac ggtgcgccac gtgaagtgca ccgtaaacat gatttaattc 240
aactttcaaa gccacccgga tcgagaaagt gcctatgtca ccatcttgat tattattgnc 300
accattttga gatgagatta ttgaaactca nagaanggat gnaagttggt tcaaaagtca 360
cccanacaga acctggtgat ttcaaaccaa agttctcctg gctg 404

<210> 319
<211> 237
<212> DNA
<213> Homo sapiens

<400> 319
gaattgtcct atgccaagag agctgccttg ccagaagtga cactcacttc caggagtcag 60
cctgcatcca gtggctgtca aaggggagc aattctgcag gatcatccgg gcccctgagc 120
tctctgtaga acagctgaag cgaccgcatg gcctcaactt ctccttccac ccattcctgt 180
ttcctgccct ccctgctcag gggtaactcc aagagcaccc tccagtaaac ctcttgc 237

<210> 320
<211> 218
<212> DNA
<213> Homo sapiens

<400> 320
caacctatcc aggataccat gtttcattta gttgtcatgt ctcattgtta ccagaaagtg 60

gtcccaactc agactccaag agagagtttt tggacctcaa gcgagaaaga tttcagagca 120
agtccacaga gtaaagtgaa ggttctaaaa cactatattt tgggagtgca gcaagggttg 180
gcggaatgga actgaaataa caagtgggtt tgttatcc 218

<210> 321
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(226)
<223> n = A,T,C or G

<400> 321
cttcttaaat gctgcattga aaggatgaaa cagaacggat gtgaacaaga gttccctgag 60
aaaggacagc tcttagagag ataggataat tactggactc aagaagatac caaatcatgg 120
tgtgcatttc tgcgttgtgt ttggaagagg aactaggatt gttatgaaaa ggaaggatgt 180
gttcaactta naagaattaa acctcaacca tctgtctctt cccaac 226

<210> 322
<211> 177
<212> DNA
<213> Homo sapiens

<400> 322
ctgaaagaaa tataagaaat acaacctaat actgtaatga agtgttcctg aacaaaaata 60
cagataagct gttttaaaat attatcttta tttgtatgct catatcagga taactccaac 120
taaggcaatt tgtctaagta gctcatttat ttaaaaagaa aagtaaaaat agcaatg 177

<210> 323
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 323
gccgcacttg gtgagagtct tcacggacca cagtgttgca cgaggtgatt gtgtttgcag 60
aggttttttt gtccttgaag agcacttagg gctggagagc aggacacatg ctgacgagca 120
gaagctgaca ggcttgctgc catgtgggaa agtccttgga cgagttgtct gcttgcggag 180
aggtgtctgc ggctcaggta tgaacaaaag aaacatgctt cacttctggg cagaatcccc 240
aagagctacc atgaggtcct ccgcttctct tttctcccta ccacaagact gacatgactc 300
caagagggac tgctccttta gcctgggtcc ctagaatgaa gattgatatg cagaaaaact 360
tcagccagcc tgcaatggac ttgtggggtt agcaataagc ttttgttggt ataagccact 420
gagagccagg ggctgtatgt tactgnggca gaacttaact gaagctgact aacactggta 480
ctaacagaat cattttcaaa tg 502

<210> 324
<211> 229
<212> DNA
<213> Homo sapiens

<400> 324
acaaatcata acgaacagag tccagtgagt ccctctgtcg caacaagttc aggatcactc 60
aagcagtgga gacggagttt caccatgttg gcaaggctag tctcaaactc ctgacttcaa 120
gtgattcgcc cacctcggcc tctcaaagtg ctgggattac aggcatgagc caccgtgtcc 180
ggccccacta cattcttaaa gaagcaataa attgaccttg tttaaatac 229

<210> 325

<211> 297
<212> DNA
<213> Homo sapiens

<400> 325
gtcctattca cggttactgg gagctggagc ttcaacagat cttttgggaa gacacaattc 60
aactcacgac agggaggaag aattgcgagt acttgctact gctgtgatgc cgtggagtga 120
gcagaaagat caatgccaga tctaaaagga cttgaggctg tgagttccat ctcttgttct 180
ctctcaccct cttgccttcc actatggggt gatacaagaa tgccctcgac agatgctagc 240
actttgatac tggatttccc accctccaaa gctgaaaaat aaatttcttt cctttat 297

<210> 326
<211> 282
<212> DNA
<213> Homo sapiens

<400> 326
gagcagaaat gtgaacagct ggaggccgga aaagaaagga cacaagcgga gaagaaacac 60
cagaggaaaa ataatccctt agagggtaaa gaacaaataa ttgaataagg gattaaaaaa 120
cacacaagga gagatccctg gtaattaccc ttgacagcca gtgtgaaaag ggcccgggat 180
gggggctttg tccctccccc ctccgctcac acctctcagc cgcagtaggt tctttcctgt 240
tgctcctgtc ttgatttaga ataagctcct tttctctaaa gc 282

<210> 327
<211> 269
<212> DNA
<213> Homo sapiens

<400> 327
attcccccct gctgacagtg tgtgccctgg cgatggagca gtgtccttgt tgcagatttg 60
aaccactttc acctcgtaaa cagcagctgg tgagaggaat ggacttgcac attcattcgt 120
tttacaaatg aagaaactga agcacagaga aggaaggaat gatttgtgca ggaggtggta 180
tttgagatac tcatcatttt ctctcattac ccacatttgt ttctactcct gtagtagttt 240
ggttaaaggc aatagactcc ttgttcctt 269

<210> 328
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(174)
<223> n = A,T,C or G

<400> 328
ccgcagcgcc tcccgctcct ccgacgtgga ctcgtggctg taatagcgca gcaggaaggg 60
ccagacctcc ccgcggattg acacatcaat accgccaaag aaaatggcct ggaggaagcg 120
gcaaaagttg gtgaggggat naaatggggc agctcaaaga acccccaaat cccc 174

<210> 329
<211> 405
<212> DNA
<213> Homo sapiens

<400> 329
agaaaatacc tggtaagccc taatggaaac catctgttag aaaaagaagg agacagaatc 60
gtggagctct gttgacttcc ctcgtcttac cagcaaagag aagaggtgta gtaattctta 120
aaaaggaaga aagaagagag atcaaagtgg gagaaggaaa aataaaaaga aaaaggacta 180
agcactttct tctttcctct gagagactgc ggtggctctc ccacctttcc ggagactcgt 240
cagcacctgc ctggtggaca gcaccacatc tttaaattct aaggttctaa ccccttttatt 300
cccaaattct ggagttcact aacaaagtgg ttttcattct ttaaaaaatg aaatgaaacc 360
aaagagggac acacagaggg cttccaaaat aaaatgctag atctt 405

<210> 330
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 330
gacagaagct ttttagtttg acatcactaa tcatcaagga aacacaaatc aaaatcacaa 60
tgagatatca ccttatacat gtgaggatgg ctattatcaa aaatacaaaa cacaagtgtt 120
ggcgaggatg tagagaaatt ggaacccgct gttggtggga acgcaaaatg gtacagccac 180
tatagaaaac aacttccacc ccaagaagtt gtgaatcaca cagtatttct gaaaaggcat 240
ccttgcccta tgcaaggctg ccaatagcca aaaggaggca tctgagggaa ggaaaaaaga 300
actgcaccat gcatgcatga agttggcaat ttgcaaaaga aatctgaaac aacattgcag 360
gcagaaaaag caggaaagag gagatggtna gagacataaa tggggaattg ggggcaacag 420
gaaattctgg cccc 434

<210> 331
<211> 167
<212> DNA
<213> Homo sapiens

<400> 331
ggaccataca acataatctt tatagtctcc agcaacaggt atgccttccc ctctacactg 60
tgcttcttgg gggctaagga agaaactgag actgcatttc atccttcagg agtgagaagt 120
ttttgctcca gtcataaata cttgctgaat aaatgaatct tctattt 167

<210> 332
<211> 254
<212> DNA
<213> Homo sapiens

<400> 332
actgagatat ggttgaacat atacttagga cacgtaataa ctatggaact tcatcacaaa 60
cacagcactg aggacatgtt ctgaatacag acaatatgga ggcctcaggc tcagaggatg 120
gcagagtctt cagatggatg gagggagctg cagtcactga accactgcag ggagagaagt 180
actcacagac caggaacgct caacttggac tgttatgtga cagagtaata ataaacttct 240
attttggttt gagt 254

<210> 333
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 333
gatcctgtgc actttattct tccctaccag cctcagaagc cacgtgctga agacagtgaa 60
gttctgtctg ggaagaagca tcgatcccta aatggctgca tggagcagag cagagatgtc 120
tgctcactaa gttggttcga agctgaggag gaaaaaaatt aggtgctagg atgctggaga 180
gatcctcaga aacccctcta catgaatcat ttaagtagat gaagagctag attgcaataa 240
tcattgggag gagaagaaga ataaaacatg agattccatt cacatcccag aattaaaggt 300
aaaatgggta aaaagtgaca ttttcaaacc tggaatcaca ctggaacggt atttgcatct 360
tggtaggtaa caataaaaat ttaactntna aaatanggcc cngggggggg gggtcatgcc 420
cg 422

<210> 334

<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 334
ttgaagccca gtatttnana tccagctgga atcacagggg tttcttgttt ggcccctccc 60
tgaaaccctg gaagaatctg gagtcagcag aagtgtgcat gttgcaaaaa tcacagaatc 120
atgtaaggaa tgaaaggaaa gcccccttct tcaaccctga ctccaacaat cccactgctc 180
aaaggaaccc agataatacg taggaaatac atacctacgt gtttcttaca tatttagaaa 240
tatgtcaaca taagtcatta taaacataag tcattataat taagtcattt gtacttgaga 300
agtcctaatg tacatggtta caatgca 327

<210> 335
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 335
ggattttacc ggttcggcca tatcagggac acttgaaaat ttgcctacaa atatttgcct 60
gctttccagt gcagcccttg gaattaaaaa ggaaaattcc tgccctcaga taaagatagg 120
gtcttgctgt gttgcccagg ctggtcttgg actcctggca tcaagcaatt ctcccacctt 180
ggcctcccag agtgctgggg ttacaggcat gagccactgt gcctggtcaa ctgtaacatt 240
tgattgcttg gggctgcctg aagcatttgg aggatgagag gagagcattt attttctttt 300
ggagagaaat ctcaacagta tgggcatagc tggctccttt tattcctgct tttcatcgtc 360
tttggctaaa ctgccatgga gacctggccc cttctacctt attttagaca ctttaaaaaa 420
cacgggcncn ctttggntan anattttaaa aaacccccac 460

<210> 336
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 336
gagttctgaa accacctcat acttggaata gaagccatgt gaaaacaaag cccctgcatc 60
actcctatct gcctggaatg ctgttgtgtg anggtgtaat gtttgaagct gtggctgcca 120
tcttgtgaca aaggggcact ccgtgttgtc aggatgagga cggcagagga agatgctggg 180
gaaagcctgg atctgcggac atctctgaac cactacgtcc tgggaccagc tatctgggct 240
tcctgttttg tgagataatt tcacgtattt atgataaaat tattaaaatt tgggtatcct 300
gttat 305

<210> 337
<211> 174
<212> DNA
<213> Homo sapiens

<400> 337
gctagtcaag tgaagcagtg ggagtggaaa aggagcaaag aaatctgtaa ctggttgtga 60
ttccatgaac tttttgaaat ccccttgtat tggcttcctt ccctcttctg tcttacttct 120

ctactcccta caagtgtttt ctgggatcac ctccaaataa actacttgca atct 174

<210> 338
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(98)
<223> n = A,T,C or G

<400> 338
tacgtccaaa ctgagggatg ntaccggttc ggccatatca gggncacttg naaatttgcc 60
tacaaanatn tgcctgcttt ccagngcagc ccttggaa 98

<210> 339
<211> 291
<212> DNA
<213> Homo sapiens

<400> 339
aaacagaact ccagatttaa aaataaagga ctgtatttcc cagcatccct tgcagctagg 60
tgtgggcatg caactaagtt caggctaatt tcttcctgaa agcatacaaa gaacctacaa 120
ctgaggcctc ctgggaatat accaaggcac catccacccc ggggcctttg tacttgctgt 180
tccctttgcc tggaagactc tttctccaga tatctgcagg gccccaccct caattcattc 240
ctgtattagt ctgttctcac actgctaata aagatatacc agagactggg t 291

<210> 340
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 340
attctcatca ctgaatctcc actgaaaaaa acagggtttg gcacattgtt aatttactga 60
aaagntgang ccaggcgtgg ngnctcacac ctgnnattcc ancactttga gaggccanga 120
tgggaggact gcttgaggcc agaagtttga gagcagcctg gtcaacatag ncagacctca 180
tctctaaaaa taaaaataaa gtanataaaa cataaaaaaa gaagaaacnn cnaanaaaaa 240
angggcctcn gnggccnttt aacttgggat t 271

<210> 341
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 341
tggggagatg tctgcgtnct nctncttgag gagaanccgg gataaatgga cttgangcca 60
cgaggagcca gtgagtggtg cctggaacac cgtatgatgc ccagaggagc ccagcagtca 120
tgctctgaca gcagcatatg gtgcgcactg gaagaagggg aaaataaggt caggaaggca 180
gactgggagc ttggattcga ggctgaagaa ctgccatcaa atgtttttga aaggtgtgaa 240
ataatcaaaa ctgtactcca tgatgattaa agctggcata gtgtg 285

<210> 342

<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 342
atggcgtttc gctcttattg cccaggctgg agtacaatgg cacgatcttg gctcaccaca 60
acctctgctt cctgggttcg agtgattctc ctgcctcagc ctcccaagta gctgggatta 120
caggcatgtg ccaccaagcc cagctaattt ttgtattttt agtagagatg gggtttctcc 180
atgttgttca ggctggtctc caactctcga cctcaggtga tctgcctgcc tcggcttccc 240
aaagtgctgg gattacagat gtgagccact gcacctggcc aaaagtgaag tcttaattcc 300
taattacttt gtctcctctt gttattaact tcttttcact tcttgaattt actgnactaa 360
ctgcaccaaa agaaaaattt cttgattata taattcatgc 400

<210> 343
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 343
atccattatt tgggcaggat tctgtangga aaactcatca ccacttnata tancatcagc 60
catgcggctc anctganggc tgntggatcc acttntaaga tgactcactg ctggctggct 120
gttaatgctg ggntgaggcc ctggggcctt ggttngtctc cacattgncc tctccattan 180
gcctggactt cctcacanaa tggtggacga gnctctaagg gtaaacatcg caagagagaa 240
aaccanacaa gagagcaaaa cttgcctttt gtgacctagc ctcagaaatc acatagtgtc 300
tattaattga agcaagtccc aaagtcccac ctgggttcaa ggggaggaga tactgactac 360
actgtccttg atgggagggt ggtaaagatt ctggaagaaa aatgggacca naaatgntgn 420
tgcaccnttt tggggaaagg gaatntaacc caaccgggt 459

<210> 344
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 344
attcattctc atagaagggc atcagaggaa gataaagaag gatcctcaat gtcagacatc 60
tgagcccaag ctaagccatc ataatccctg tgacgtgcac atatacatgc cccactccaa 120
ctaatcaatc gaccttgtga cattcctccc ctggacaatg aatctcatga tctcccaacc 180
ctgcaccttg tgacccctcc cctgcccaca agagataacc acctttaagt gtaatttcc 240
actacctacc caaatcctat aaagctgccc cacccctatc tccctttgct gactctttgt 300
ggactcagcc cacttgcacc caagtgaaat aaacaagcct tgttgctccc aaaaaaaaaa 360
aggccagngn ggccaattna gcttggactt aaccaggctg aacttgntna aaaggggggg 420
act 423

<210> 345
<211> 238
<212> DNA
<213> Homo sapiens

<400> 345
tttcagagag gaggggagct gtgcagagat gtgctggagg agtgcctatt ggtgaccaaa 60
gacatgggat gctgaagcga tacagaatgc cacctggaag ttcgttgaaa ccattgccga 120
ctaggtgtgg tggcttcgtg cctgtaatcc cagtactttg ggaggctgaa gcaggaggat 180
cactggagac caggagttca agaccagccc gggcaacata gtaagaccct gtctctac 238

<210> 346
<211> 151
<212> DNA
<213> Homo sapiens

<400> 346
aaaaaggtaa tatttaagcc tgaagtttaa actttctttg agatccactc tgaagattta 60
ttaatttctt ggggtttgtg ctgcattctg cccctggctc ccaccatgta tccatgaggc 120
atgcatgtta acaaacttct gtttgatttt c 151

<210> 347
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 347
gtggccatta gggtggtcca gaaggctggg gaagcacaga caagggtaac tgcaaaccga 60
cagcacaatg ggatacctca gnatcccgcc aggatggctg taactcaaac gacagcaaca 120
ccaatgcagt agacatgagg tttcatcacg ttggccaggc tggtctcgaa ctcctgacct 180
caagtcatct gcctgcctcg gcctcccaaa gtgctggaat tacaggcgtg agccaccgca 240
cccggcctgt ttctaccatt ctggaaaaca gtttggcact atactaaatg cctcagcagt 300
ttcacttttg gaaccttctt tgccctcacc cctgggaaat aacatttgcc aaaactcatt 360
gaactgtact cttaaaatgn ggacatttta ttatatgtna actataattc aataaaattg 420
gtt 423

<210> 348
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 348
gattatggat tatggatctc tggaataaaa acatttagtg tcacagcaaa agaagttttg 60
agtttatata caaattaagt aaaagactaa ttttggtttt gaaaaactcg ttctctaaac 120
ttttacagga agtttaaata aattacatca tgaacaaaac tgcagtatgc cagttcctat 180
cctcatgacc tcacgattct gcctgagctc cacatcaatg aaaggaaaat cggataatga 240
agcacttagt ctaatatctc aatagcaacc accaantagg attacttttt agaaaagaaa 300
aaaaaaccta accttatatg taaatgtatc tagtgngcaa atgacataat gcttatatgn 360
atggaaatct atctagnggg ccaatgactt aatggccngg gnggggaaac ngngggcgag 420
aagcccccaa ttccncccctc cnggttttgg aaaaac 456

<210> 349
<211> 249
<212> DNA
<213> Homo sapiens

<400> 349
gataaagttt gatccagcat attctaaaat gctacaagac tgccagcaag tttcaaagac 60

acatcagaga gaactcaacg gcctgacctg gagaccagga ggatgacatt ctcattaggc 120
aagagatgct ggaccttctg cagtaatgag aaatgaaagt caccactctg ctctaaaagc 180
aggggctatt tacccctgac ctgacacact tctcaaagct ctcacaataa aggcacccag 240
catccactt 249

<210> 350
<211> 205
<212> DNA
<213> Homo sapiens

<400> 350
aatttgagaa tctgatgatt gcagctggaa agactgcaga gagcacctgg gtcaaccttt 60
tcattttgca taaagggaaa taggcccaga gaaagaaaag ggactgtccc aagatcgcac 120
agcaaccatt ttgaccttca acaagtactc cctgactcca agcaataagg gtgaaaaaat 180
aaggaataaa ttgtataaag cacgt 205

<210> 351
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 351
agtatggtgg aaangatgnn acgcccactc cangcctaac ctntaggagg actggcngtt 60
tntgctatgg cctctggnan ccatganctg ccatgaaaaa ngncaaacta ctctgctgga 120
gacacccacc tggagaagcc ntggnattcc atgganaggc agacggaccc agctgagctc 180
agtgttccag ccatccccac gaaagcacca ggaacctgag tgaaaccatc tcgatcctcc 240
agcatagcac aatcaccngc tgaagatnac tgagtgactc tagncggnag ctccatggat 300
cactgaagga tcacccntnt gaaccctgcn caaatttctg actcacaaaa ctgtnganca 360
tacaatggtt ggtggttagg gggcagtttg gtatnctntt ncaattaatt tgccggaaga 420
gnccccaann aaaaaaataa gggggggcccg gcaagggc 458

<210> 352
<211> 285
<212> DNA
<213> Homo sapiens

<400> 352
tgcttgtacg gctgctatgt ccattcctcc atcatcccca ccttccaccg gaggtgctac 60
tggctccttc agggcctgac agggtggtga accccacgga aacatcaggg cagcctgggc 120
aagacaaagg cagcttcact ccacaactgt ccagaatcaa ggatccgggc cgggcgtggt 180
ggctcacgcc tgtaatccca gcactttgga aggccgaggc aggcagatca cgagatcggg 240
acaccgagac tatcctggct aacacggtga aaccccgtct ctact 285

<210> 353
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 353
gtggaaatgc atttccaaaa ccaccagctg gctagaactt tactggacct aaacatgaaa 60
gtgcagcaat tgaaaaagga gtatgaactg gaaattacat cagactccca aagcccaaaa 120
gatgatgctg cgaatccgga ataaagaaat gcacacgcaa gggctgggcg cggtggctca 180
cgcctgtaat cccagcactt tgggaggccg aggcgggcgg atcaagacgt caggagattg 240

agaccatcct ggctaacact gtggaaaccc tgcctctact aaaaaataca aaaaattaag 300
ccagacgtgg tggcaggcac ctgtagtccc tgctactcag ggagtcttga gggcagggag 360
aaatggcgtg gaaccccngg gagggcngga gcttgcagtg agcccgaaat cgtggccact 420
ggtactccaa gccttggggc caacaaga 448

<210> 354
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 354
ctacaacagg gtgcctggcn cnaggagata ctcantaaaa ctctcatctg ctgtgtcatt 60
aaggggaaca cttaatggct cacgcctgta atcccagcac tttgggaggc cgaggcggan 120
ggatcacctg agcccaggag ttggagacca ncctgggcaa canattgaga ccctgtctca 180
acangagaag aagaagaaga aaaaggccag gcgccgtggc taatgtctgt aatcccagca 240
ctttgggagg ccaagaaggg agaactgctt gaggccagga gttcgagacc agcctggtca 300
acatagcgag acaccccccc catctcaaaa ataaataaat caaaataaaa aataaagagg 360

<210> 355
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 355
ttcttcgtng actctggaat ggagctggaa gctgtcatcc tcagcacact aacgcaggaa 60
cagaaaacca agcactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120
ggacatatga aggggaacaa cacactctgg ggcctgtgag gtgcagggag agcatcaaga 180
agaacagcta atgggtgctg ggcttaatac ctgggtgatg ggttgatctg tgcggcaaac 240
caccatggca cacatttacc tatgtaacaa accttgacat cctgcacatg taccccggaa 300
cttaaaaata aaagttgaca aaaagaaaac ataaaaaaag ggccaggggg gccaatncnt 360
ttgnacttaa cctggctgaa cttgttc 387

<210> 356
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 356
gacgggnact ctctgngatg ccatnccagn nntnacntgc tacnggctgg ctacctnatc 60
tgtggagctc cagagaccan gaangataac nctcattgnc atagctactt gtcagcgcat 120
aagaaagtga ncacacaggt ggtaccaang accttccttt tctggttcca agataatggc 180
nggcaccnaa ggnctattcc tctaccctac tggnttatca ctgggctgaa gaancccaag 240
tagtgaatta cccactagga ccctggaaga ggaagtacaa cggttatcct cagttttccc 300
tggaatnngg aatgagctcc tgggttactg aaagtctact ttggtgcctt gaatttaacc 360
caatcccata tgtgataatt attttagcat atttgataat aaaagaattt aagaaggg 418

<210> 357

<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

<400> 357
gtcaagctgg tctctggtgt ccatggggac acttcaggag aaaccgatta acattgagat 60
gtgtggaaac aggatcaata attttcagta actgaggaag attaccagaa gccaaggcgg 120
cctttaacag agactgtgca gctctgagcc caggactgtt aagcacttgg caggcaatgg 180
agaaagtcta attgtggctg acgatgagtc attttacact attgtcacac ctcctttatc 240
cacattccat tttaggaaca gtataacttt cccagccaga aattgtctaa tttaaaccct 300
gactcttacc tgtgtgaatc aaaatgactc anaaagtgca aataaaataa ccctgaggag 360
tcc 363

<210> 358
<211> 332
<212> DNA
<213> Homo sapiens

<400> 358
gttccaggag ttgcagaaat gccaccagga tctgcagaac acattgcaag acaaggagag 60
ctgggaggac tcagaccctg acctcatcca aaagtgaaaa accaatcctg ccaaagtgaa 120
tgtattttct ctccccaaag gcagacttga gacccccagc ttcagggtgg cttctgcctg 180
acttccagag ctccagccag tgccttttgt ctgaaacctc catgtccagg acccttgggc 240
ggagaagaat ctgctggaca ctgcttgggg ctggaccctg agagcgctca catttgacac 300
cccagaaagc aaataaaaca gttgaaatat gt 332

<210> 359
<211> 394
<212> DNA
<213> Homo sapiens

<400> 359
tcacagcctg ggctcatcac gaaaggcagc cagcacttca acggactcac tgcctctacc 60
tttctccttg cttggatgaa gaatctgaat ctagaagccc accaaattca tctaacagta 120
gtgcaagcag atattgcttt ggaaaatatc tcagcagaga acactcctgg gatgtatttc 180
atcagtctga tacttccaac tctgccaggg aacaagctca ccaaaggctt ctcatcaaac 240
agctctgccc taaacaccct gggggattcc ccaacagtgt cttgcgggcc taatgacact 300
catgttcctt ctcatgctta cctttctttg cctgacgtga gtgcaaaaac ctatcttaag 360
caagataatt gtaaaaatac caaaattaaa tgat 394

<210> 360
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 360
ctgattcctc cttcctccat actcccaagg cacctgaggt ctggctcttc aggctgtgtg 60
acgacaggga ctttaaagag gcaatgaagg taaaatgagg tcatcaggat ggactccgat 120
ataaccggtg tccttacaag aagagaagac aggacacgca cacaaagcaa gggtcagcca 180
tgtgaggaca gtgagaaggc ggccgtcgac acgccaagga gagaggcctg ggaagaaacc 240
aaccttacac cttgacatca gacttctggt ctccaaaact gtaggaaaat aaatttctct 300
tgtttaagtc aaaaaaaaag gccagcgagg ccaattcagc ttggacttan ccangctgaa 360
cttgctcaaa agg 373

<210> 361
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 361
gaggggcaca cctttcaggc ctagccctcg gcctggatga aggtgtggct gagcatccct 60
gttcctggaa cttggcatca gcatcactga catcggaagc acacggaccc cctcccactt 120
cgacaagcat caaacccatc tcttctcctt gctctggcca ggtcagactg gagccaactg 180
tgctgcagct cctgtggaag ccttggcagg gaggtgaggg ggagcaccag ttacaagcaa 240
aggctccgag tgcaaagagc cttcgcttat gattcaggaa tctctgggca agttacctaa 300
ggtatctgag ccagcagttc gtcatctgtg gaatggggag aatggcaaca cttctcataa 360
gggttgaagt aagggaataa aatgatataa tgngnattaa acccttaaaa aaagggctgg 420
ctggcatata a 431

<210> 362
<211> 253
<212> DNA
<213> Homo sapiens

<400> 362
gtatttttca gaccctgcat tctgttggat ctgctgatgc cacccagact gataaactgg 60
ttcatctgac cttgtggccc cccgacccag gaactgaact cagcacaaga agacaggctt 120
caactccctg tgatttcatc cacgacctaa ccaatcagta ctctccactc cctagcccca 180
ctgctcccca aattatcctt taaattttgg gggaggctgc tttgaataat gataaactcc 240
tgtccttctg ctt 253

<210> 363
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 363
atcctgcctc ccacagtcac cctgctccca agtgcaacct ctgtctgacc ctgcatggtg 60
tgcggtgccc tcctgcctca gcctcccggg tagctgggac tgcgggcctg cgccaccaca 120
cccggctaat tttttctatt ttttttttnt tttttggggg naaanggggt ttaacnattt 180
nggcnaggnn ggtntnnaac tccnnatntg ggggccnacc cgcntgggcc tccnaggggg 240
ntnaaattgn agggggggnc naaccnccct ggccccaaan aaatttttnt ttggttaaaa 300
nttttgggn nnggattgcc ccctaaaatg ttccccaatt gggncttatt nttttaaagg 360
aaagncccaa agggnacttt atttttagnn taggaaaaaa aac 403

<210> 364
<211> 132
<212> DNA
<213> Homo sapiens

<400> 364
gcatccaggt atacacacaa gctgcatcgt gtcactgcaa gcggctccca gagttgttcc 60
tgttcatcca ggaagaaaga aaatcccgcc aaagattgag agagatcaat aaatgtattt 120
ccaaagaacc tg 132

<210> 365
<211> 435

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 365
tagtaaaang gggcctgctt ccccgtcacc ttccgccaca atcgttaagt ttcctggggc 60
ctccccagaa gctgctatgc ttcctataca gtctgcagaa ctgatgacat ggcatgaagg 120
ccctcaacag atggcagcac ctttaataat gaacttccca gcatccagaa ctatgagaaa 180
tcaatttatt ttcttataaa ctacacaatc tgtggtattg ttatggcagc acaaaatcag 240
actaggacag aagaattctc caacgaaccc attcaggact ggtgctttct gttttgaaaa 300
gttcatattt ctttatttt gnataaataa taccattttc aagttataat gntcattata 360
atgncatatc cactagaaaa tttaaaaaca ctgccatact gagggtttta aagaaaacaa 420
catggactag cattt 435

<210> 366
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 366
gaagaatatc naggagccct taaaacactt ngatnaacna tacnaggtta tgcganagna 60
ccctcatttt ttanncaaga ttgcaaagaa aattcatttc agttctacat ttggtgccaa 120
gcgttgttag ttgcagataa ataagataga atccagctct taagaaattc aatctagtgg 180
aaaaaaacat aaatatttgc agttaatttt ttaggcgtca ggcactgtgc taagtactct 240
cattggtgac cttgattttt accctcttaa tctccatgtg ctccccccttc ccaaatacac 300
tccaagtaaa tataaaatct tagtgaaaac 330

<210> 367
<211> 351
<212> DNA
<213> Homo sapiens

<400> 367
gcttaatttt tcctgatcat gagagaagaa cacagatgta gctgaactaa ggagcaaaaa 60
cccggcatca atacctgcta cagcacagat gcagcatgaa aaattatgct aagtgaaata 120
agccagtccc agcagacaac ttgcttttta tttcagaggc ttataggcaa atctatacaa 180
agaaggtggg tggttcccta gggctgaggg aggaagggaa aactagtgaa gatggctaaa 240
tgatgtgggg gtttgttttt agggtgatga aaatgttcta aaattaattg taatgatgac 300
ggcataactc tcgaaaatac taaagttaat gaattctata ctttaaatga g 351

<210> 368
<211> 271
<212> DNA
<213> Homo sapiens

<400> 368
ctccagctgc atctgatgtc actgctatgg cagtgaagaa tgaaaaccaa aggacaactg 60
gctacttaag gaattaagcg gactaaaatg aaaaccattc acagaagcag ttccagtact 120
ctggctgaga ctctgttttc ctacatacag cccacattct gaatatactc aaatctacgc 180
aatttcaaac ttagaaaact ttaactgctg ccccactgaa gccattttca agctggaatc 240
atgtataata aactactcca tctatttcac c 271

<210> 369
<211> 303

<212> DNA
<213> Homo sapiens

<400> 369
ctccacctgc cgagttcacg ccattctcct gcttcagccc ctcgagtagc tgggactaca 60
ggcgcccgcc accacacccg gctaattttt ttgtattttt agtagagatg gggtttcacc 120
atgttagccg ggatggtctc gatctcctga cctcgtgatc tgcctgcctc ggcctcccaa 180
agtgctggga ttacaggcgt gagccaccac gcccggccgc tcttttctta aatatctggt 240
ggaggcctca aaatcaaaat gtctaaaaca gaactcatca tcaataaagc cattcgtcca 300
ttt 303

<210> 370
<211> 185
<212> DNA
<213> Homo sapiens

<400> 370
tttgtattca agacagaaag gaacacctac ccaggagctc aatcacattg catgcacaga 60
caccgacaac cacacagacg tgtgaacaca tccccccaac gtgagcaacc gcagcataat 120
gggactcatc ccatccaaat acccatttca tctaaagtgt aaaaataata aaaagaactt 180
cttgg 185

<210> 371
<211> 294
<212> DNA
<213> Homo sapiens

<400> 371
gcaaaacatt ctctgcaatg tggggtgagt ggcaatgaga acacctcaga agacactggg 60
tagctttttc aaactcttcc ctccacattg agattcagat ctcagaagta ctgggggaag 120
agggttgaga cttgtggatt ataaatcaaa aaaacctgag gttctgctgc agcccttcct 180
accaccacgc cgcacctccc taccttgaga atcgctttct gtctgttttg atgagaacac 240
tactttcgcc ccaaataatc catcatactg ctattaaaag tcaagttcca aacc 294

<210> 372
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 372
aaaacctgtg gctggtctgg gtattgtcat ggttcctcat ctcttctgga agcacacaat 60
gagagacgga gtctcattct gtcgcccagg ctggagtgca gtggcgtgat cctggctcgc 120
tgcaagctcc gcctcccggg ttcacgccat tctcctgctt cagcctcccg agtagatggg 180
actacaggcg cctaccatca cgcccggcta atttttgta tttcgtttag taaagacggg 240
gtttcaccgt gttggccagg atggtctcga tctcctgacc ttcttgtgat ctgcccgcct 300
cggcctncca aggtgctggg attacaggca tgagccaccg cgcccagcca tatttttaaa 360
ttatctaaag aatgtaatta gattgtttat aatttaaagg atgaatgttt gaggagatga 420
ataccccatt ctccatgatg ngcttatttc ataantcatg cctgtatcaa aacatctcat 480
gtaccccata aatatataca caaaaacttt at 512

<210> 373
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(231)

<223> n = A,T,C or G

<400> 373
aganggtntc tnacgatgnt gcccacactg gccttgaact cttgggctca ancgancctc 60
cngcctnngc cttccaagta cnctagacta naggnacang ncgctgntna ntgatgcact 120
tttaatccca atttttagga gctctgtgna atgttntcaa gcattttcca ttttttaatg 180
atttaagtat ttgagcactt tgagctaatt aaatttgaaa ttgtttaaaa t 231

<210> 374
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 374
accaagactg aaattggcct gcagatcaaa gaccatggca aaaaattcct gacattggaa 60
actgccttcc aaaacatccc tgtgcctcat ccctttctac acattccata taaagagatt 120
gtttcatttt ccacctggca acgcttaaat tgttttattt ttcttcatta aaaccaccac 180
gcctcttcat tcaaaaaaaa aaaggncagn gnggccaatt cagctnggac ttaaccaggc 240
ngaacttgnt caaaaggggg gg 262

<210> 375
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G

<400> 375
cctcgcgggt tggagggaac aaaactcttc gcgggtcttt cccagtgggg gaatccgaac 60
gggtattcga ataaagcttt tgaatgaagc ccgccacaat ggggaatcgg gcccatttga 120
aacaaagaat gggaattggc acgccaaggg ttcttcccgg cccggctttg gggtgggaag 180
aaggcttatt ccggcttatt gactgggggc acaacaagac aaatcgggct tgctcttgaa 240
tgcccgcccg tggttccggg cttgtcaaag ccgcaagggg ggccgccccg gttcttttt 300
gtcaaagaac ccgacccttg tcccgggtgg ccctgaaatg aaactggcag ggaccgaagg 360
gcagccgccg ggctatccgt ggggcttggg cccaccgnac ggggccgttt cctttgcgca 420
agcttgtggc ctcgacgttt gtccacttgg aagccgggga aaaggggact tggcttgctt 480
attttggggc cgaaagtngc cccggggcca agggatcttc cttgggcatt ttnaaccttt 540
ggttcttngc cgagaaaaag gaatncccat tatngggntt gaaggccaaa tgggcggggg 600
ggttggaana acccctttgg aanccgggtt taccccttg 638

<210> 376
<211> 432
<212> DNA
<213> Homo sapiens

<400> 376
gaggaagaga agggcaggga gcaagagtaa aggctttgga gctcagcaag actgggttga 60
atctcagcct cattgtttac ttgatgtgta aaagcagggc ctcactctgt cacccaggct 120
ggagtgaagt ggtatgatca cggctccctg taaccttgaa ctgcttgggc tcaagcagtc 180
ctcctgcctc agcctcccaa gtagctagga ccacagcaac tgaagcctcc tgccaacagc 240
catgtaagta agccatcttg ggagcaaaac tatctggttc tcttcagacc ttcagatgac 300
tgcagcctca gctgacatct taactgcaac ctcatgagag accctgagag ccaaatctac 360
ctttctgagc aactatcaaa cttctgaccc acggaaactg tgagataata aatatttttt 420
gtttaaacca tg 432

<210> 377
<211> 410
<212> DNA
<213> Homo sapiens

<400> 377
aatgcggagt gcccccgaaa agtgcctccc aaaatgtctc aggtcagagc tgcaacctgc 60
gcaacaacgg ctaagatgag gaaaaccaag acacagaaag aaaaccattt tgcataactg 120
acgaacctgg atgagttcat caccaaactc caagaaccct ccgctaggtc tctgcctagt 180
gtccatgaac cagcagcacc ctcattacct gggagctgaa cagaaatgca gaatcctgca 240
cccaccccag acctactcaa tcacactccg tttcaacaag atctccaggt catacgtacg 300
tacagtacag tttgggaagc attgctctag gacagaaaga gtttctcaaa attattagat 360
gaatgatctt attagaccca tgctctaaat aaatgtaaag ataatttttg 410

<210> 378
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

<400> 378
tctggggagc tcctggttag ctccngctga gatactatna nactctgtga agcccggatt 60
anaaaaaaga tncaaaatac attccgagga gcanatcttt ctgtggtaac actgcattcc 120
anatgtgcga aaaagacagg gaaanacatg aactgcanta cattacggct aaagggagnn 180
ngcttattaa cttcc 195

<210> 379
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 379
ggagaaggtc accgtgatgt gatggaaagg cagaaatcaa tggtggctgg ctcctcagtg 60
atatgagtca atccatcaga cagactggtg gcagncaccc agccttcaca gctaccaccc 120
ccatgctggc aaatgtcaca tttggaattc atttgcatag ctgggtagca ctccctgcgg 180
agttacattg aacaattttg cagctgtgac agcttgaaat agaaaagcta atgcaactat 240
c 241

<210> 380
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 380
ccntcttctt acaaatganc ngacncagat gcgangannc ncaacgtcca catnnttgaa 60
gcaaagttac ttgtggataa acaaagcatt angaaatgga ctctcatntc tctcaaaaag 120
tatcaaagaa gtgaaattca tcagaccact gtgtcnagac aatgagacgc cnnatgccag 180
attccttant tgncatgatt gcttccttan ccctccctag ttcctgtttt cctgctcata 240
agttacattt cttccttgct atataatccc ctaatttcgg ctggttgagg agatggnatc 300

caaactgatn tcccatatcc ttagctgtag catgcaatta aagccttctt ccttggc 357

<210> 381
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 381
atatgctgct tggcaacnat tatatcacac atcacatacg tctggatcaa gtgttacttt 60
gcaaatattc agctatggca ttaaagatcc tttcaagaac ccttttgaat ggcttctcta 120
ggtgacacag caaatggatt cctaagtatg catccattct cccgggtaaa ccacgagtct 180
caaaaagtag gcagcaggct ggacccggtg gcacacgcat ggaatcccag cgctttggga 240
ggccggggca ggaagttgct tgaggccagg agtgcaaaac caacatggcg agactctgtc 300
tgtataagaa ataaaataaa ttatccagg 329

<210> 382
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 382
atgtggacaa cgaacaaaga caatagagca gaagtgttgg caacacttca gtatgagcag 60
actggtggac agtgagagat tacagaagaa cacagctctg ggccagcagt gctgctgtcg 120
aggtgatccc agcaggcagt gccacccacc aggaatcata aactgcacaa ggccagaggt 180
gagtccttct gtaaatacat agccctagct ccaagcattt aattgtcaca aaaacaacaa 240
aaaatactcc tattaacagt gcaatttctc tttccaaggt ctacatcgag agaaagaata 300
ttaggatgct aatattgcat tgggtcattg gagcttaatg tttagaaata ataaactaaa 360
ctgttttgtg gtctgaccaa aaaaaaaaag gccagngngg ccaattcagn ttggacttaa 420
ccaggctgaa cttgcttaaa agg 443

<210> 383
<211> 460
<212> DNA
<213> Homo sapiens

<400> 383
gccttcatta tctcacttca caagaagtca ggtgccaagc agatccaagc tcattcagag 60
gctgcaccat gtcaactggg acccaggttt catccatgtt tctgctctgt cattatgtca 120
tactccaagg gagtcgccag atgactgctg cagctgaggc ttttctttca cagcatctaa 180
cagaggctgg ggagaggctc catgaagcac gtggtttcct aataccagaa gaaaattcaa 240
gccttttaac atggcagtcc acagtggtag gaggcggaaa gagactttgg gtattcaaaa 300
atgggttatc accttctact tctttggctg catgatactc agagatacca ttcatgtcta 360
tatctaaatg acactcattt ttttcctttc taaaatggag cacctggctc caaagttctt 420
ggacatctgg gtgatgcagt ggtttcttca tttatccctt 460

<210> 384
<211> 426
<212> DNA
<213> Homo sapiens

<400> 384
ttggttggat ccatggatgt gaaacctggg gataggaaag gcatactgta tcccctgcct 60
tgtagcagct cacaatataa tggggaatgg ttccctgcca gcgaacatgc tgtgtttcgt 120

tcaatcattc aaaacatttg agtgtccact gtgtgccaga cgtgctggtc cctctgctgt 180
gcacatcatc ctccttggtg tgatgctcct tcgaggctca gttcagatgc tacttctctg 240
cttggctttt ccagactgca tgatacccag gctgcctggc tgggtcttcc catgtattcc 300
acccctgacc tgtactggcc ctgttgccaa ctatttatca aattatgtga ttaatatctg 360
ggtatttttct tacactggac ctcactcata agggcaggag ctctgtcccg ttcacacacg 420
atcctt 426

<210> 385
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 385
gtgggaggag gaagctcgcc aagcgcatga accttcagac catggtggac acgctgcagg 60
aggcagcaca ggaggctgat gccatccagg aggagatgaa tgagaagatc gagcggctca 120
aggccgagct ggtggtgttt aaggggctta tgagtgaccc catgacagac ctggacacaa 180
aaaaaaaaag gncnnngngg ncaattnagc ttggacttaa ccaggntgaa cttnntcaaa 240
agggggggaa 250

<210> 386
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(165)
<223> n = A,T,C or G

<400> 386
ttgttgcgna nangacacca acatggnata cgaacccaac ggtggggaga agacnnanct 60
gntcagaann ccccaggagt aaaatgcagc ctgtattacc cttcctggag tgtatcctac 120
ttggagtctt cttgttctgg gaggcaataa atttctttgt tattt 165

<210> 387
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 387
ctcctgcgtt tctgcagagc tcctgcatta nntcaganct gcnatgnnat ctggnctgan 60
tngtgtctct ccaaattcat atgttgaata cttaacctgc catgcgattg tnattggana 120
taattccttt agggaagcaa tgaaggttaa atgaggtcat aggtgggagc ttaatccaat 180
gggactgggg tccctacaag aagaggaaga caccagagct ctctgtctcc acacacagag 240
aaaagaggct gtatgaggac acaagagaag gtaatagctg tctacaaacc aagaagagaa 300
gcctctccag aaaatgaacc ctgctggaac ttggtcttgg actttccagc ctccanaact 360
gggagaaaat aaagttcaaa ataaagttct gttgtgt 397

<210> 388
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 388
gcgtttccac actgtcttac tgtccggaaa gagcaaacac ggtggaaagg gacagaagag 60
ccagaattcc gtctagtttg atcactgatt tgctgggtga cctggtgcat ttcacttcgc 120
ctcagtctct ttatctgtaa tatgagaatg cgcagatttg cctcctaagt gtgatgtgag 180
aattaggtga gagttggcag gcactaaana aaaaagcatg cattaatcct tt 232

<210> 389
<211> 167
<212> DNA
<213> Homo sapiens

<400> 389
gtaaggaaac atgaacctgg agagataaag tgacttctcc caagattaag tggtctctaa 60
aaggcagtgc caggactcag acttctgact tgaaatcaga gtttcttttc atcatcacat 120
ccttcctttc taatctgttg ttaataaaac tcttggtttt ctaggtc 167

<210> 390
<211> 187
<212> DNA
<213> Homo sapiens

<400> 390
gtcaccagtg gctaagcaag acccacagga tgctgccaac aggtctgaag gcttggtaca 60
cagtagggag aaaacagaga aggtgaaagg aagatgggca aaaagaagag tgttaagaga 120
gaaagaagaa gtatttgaga tcctgccact gcactccagt ctgggcaaca gaacaagatg 180
ctgccag 187

<210> 391
<211> 282
<212> DNA
<213> Homo sapiens

<400> 391
gtttaaggag gcacaaatcc aggtgttccc acattaccaa attactactc tgtagtttga 60
aaggaatgac aatgacatcc tgtttctggt catggctaat ttagtataca ctgcacctgt 120
aaaactccag gccatcaaca tttcaggaag gctatgtaat caaagtggtg acacttacta 180
ctgagaatta ttggtgactt ccagagtaca gcacaagccc tctctccacc tgactttcaa 240
ttacaacaga gggtcagaag agtccaataa aggcagaacc tg 282

<210> 392
<211> 146
<212> DNA
<213> Homo sapiens

<400> 392
caacatggag acaatgtttt cctgcattct tcattccaga agctgatgga ggaaaggccc 60
tatgagctgt gggctggctc tataggcccc actgtacttt agggaattcc agtagcaaag 120
gaataaaatc attttagtca ctatgc 146

<210> 393
<211> 190
<212> DNA
<213> Homo sapiens

<400> 393
tgtcaaggtc aaggtgttga acgtctttcg agtcacgagt aaccagttat attggctatt 60
tcagaatgct ttacagccaa aaagtccttg aacgaaggaa gaagtccact aagtctcatc 120
agcaagggtc cagctcctct tcatctgcat gttttgaaca ataaaaatga ctaccacttt 180

ctgagaacct 190

<210> 394
<211> 303
<212> DNA
<213> Homo sapiens

<400> 394
atggaaatca gcttccagtg tgaaccactc tatggacaga ctcaaatgga aaagaactga 60
tggagaccct cagctcacga ctggcaagga attgacatcc tcagttcaaa aacctgtgaa 120
gagctggatc ctgccaacaa ccacgtgact gagcttggaa gaaaatcctt cctcaaatga 180
accttaagat acctgaaacc ccagtggaat ccttgattgc ttaattgtaa gagactatga 240
gcaggaatat ccaacctaag tgaaaacaca ggaactgtaa gataataaat gtgtgtttta 300
agt 303

<210> 395
<211> 117
<212> DNA.
<213> Homo sapiens

<400> 395
gtggctgtga tcttgaaggc aaagacttgg ctttatagca cccagcctat cagccatcag 60
tcaaaaaaat ggaccaagtg ttgagtcaat taacttttct taaattctct tgaccag 117

<210> 396
<211> 244
<212> DNA
<213> Homo sapiens

<400> 396
gcagagaaca catcatcccc ctggaacgtg agtcatttgt gaaatgcttg ttttaaattc 60
aaacttcttc acaacctgac gagtgtgtgg gagacccaag gaagctgaca tacaagggca 120
gatttatttt tctgccagaa ggaaccatca acacaaaggc caatggtaac cctaaaaatg 180
gaaatgtgct aacccttttt attgtcaagc aaataaaaaa attattcttc aaaggaggag 240
aaac 244

<210> 397
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A,T,C or G

<400> 397
taaanttgaa agtagctgat atgggaccac agaatattgg ccaatcagtg ttttacataa 60
tgtctgtgga gtggccatgt gctctagaag agtgagacaa ccttggcata accttcttta 120
agagccaatc acataacact gtgaatattt ataaaatttt agaccatt 168

<210> 398
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 398
gcgtctgggg agctcctgcg attntgngga gctnctgcan naaggctnan tgnaanatnt 60

ntgctgnant attngnnatc nacantgacc atctccaggt ttctacattg gaatccaact 120
tcacaagaat ncacttgacc cactatactg gaggaaactt ccctgcatgg ctagcctggg 180
atgctgtggg tcacaagccc ctccctagaa gttctcctga gtatctaact gcagtccctc 240
acactgnaac ttcttccacg ctgctgcttt gtagtctctc ttttaacctt acacatcaag 300
aagtccttct gagtatccct gcaatgtang atgaagcaat ccactaccca ctcctgcact 360
gctctgctca gaaccagcac cctccctcac ccccactccc atccatgcca agaatgctgc 420
acttcttccc cgtgagccag ggtcagcccg aggagagggg cacaagcaca gggcctc 477

<210> 399
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 399
atgaaatctc agtacagacg cacttttttg ttaaatacac tancaaggna gttagtgtat 60
tttgcnnaga aaatgcnana tgnttggaat atcttcaaca ttctcanatg tgggctctaa 120
atccaacaat aattatcctt ataagagaca gaagaggcac nnatacnaaa gagaaggcca 180
cgtgaaggga gtgtggccct gctgacatct tgatttcgga ctttanccct tnggaactta 240
nataaacctc tgtaagctac c 261

<210> 400
<211> 139
<212> DNA
<213> Homo sapiens

<400> 400
atgaggaaac taaggctcag aaagatgctt tgcccaacat cagctcatca gtactgttaa 60
cttgatgttc tactcttgga agctttcatc tggtagcacc atgaaactga agaataaata 120
caagttagtg catttattt 139

<210> 401
<211> 415
<212> DNA
<213> Homo sapiens

<400> 401
actcatttgt tctagattca gatcattcaa caaaacatgg catgatttcc acagtctctg 60
acattctgat tgcattgctt gagaaaattc tcagtctggg aatctcctta aaatgcagca 120
cagatgatgg ctgaatagga acagctccgg tctgcagctc ccagcgagat caacgcagaa 180
ggcgggtgat ttctgcattt ccaactgaga acaacgaaga aaaaatttct tttaaagaaa 240
ggccaaagaa ttattataga tcttttcttt cgacattcct aaacaagaac aggcctagat 300
ggtgtcattt tcaattcttg tcctaactgg tcagtgacca aaacctctaa aaattcacaa 360
agaagctcat gaggaggtcc gaggctgcca aaaggcattt ggtctctggc ccaag 415

<210> 402
<211> 360
<212> DNA
<213> Homo sapiens

<400> 402
ttctcccaga aagcctacat gaatgagcca ctttatcact tctcttaacc atggaagtaa 60
agtctaagag atgaggaaat aacacttctg gaatgaagcc atgcaatccc tggaaaggaa 120
cttagcatca actcgggcag tgacccactg tgaccctgtt ggttggccat accaacacct 180
gccgggcaaa accccatgcc tgaggacttc tctgggcttt gctactacca aacctttaat 240
gccgggtcta agatgaatga aaatggtttt ctatgaagac cagtatataa ggacagagca 300
agattcctca tcttcaaata tttattattt ccttcttctg gtattagcaa atttggcttt 360

<210> 403
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 403
gacctgcctc ttctggacat ttcgtataaa tggaatcgtg taatatgtgg cctttcgagc 60
tgggcttcct tcactcaacg tcatgtttcc aagatccatc cccattgaag ctggtgtcgg 120
agcctcactg ctttctgcgg gtgggctgga cctggtgact tgcttctacc tgatagaata 180
cagcaagagt gatgagatgt cacttccgag attaggttgg acggatggtg acttccagct 240
tgttagtctt ctctcgggct cttcttgttt gcttgctctg gtgaagccag ccaccatgtg 300
ggttcctggc atagagtttc taaaaccact ggaatttcct aagtaaaagg ggtgagagaa 360
gtgtcttttg ttactcataa taagcccccc tcaaccatac ttgagtttat tctaanaggc 420
ctagttgacc tct 433

<210> 404
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 404
atcctgactg caagcttagt caactgtatt cctggcncct acgtaacaat ggcttgcaca 60
taatatgctc aaatgcatgt caaaatgaat gaaagatctg cagcacacaa ggctatgcct 120
atgtactgga ccagaggcag aatatatatg tagcagtttc caagagccta tcaaggacgt 180
cagggactcg ctgacacttc ttcccaaacc agcagnctgg gaaccatgga tatccatcaa 240
gaaggggaaa ggtagcactt aaaaccccaa catttaaatc ttaanagcac tgggaagtgg 300
gacagatncc ncccaccttt ttttcaaagg aacggaaggg cctaccttca gccaaaacaa 360
ngtaaggttt tttggtttgg aaaat 385

<210> 405
<211> 416
<212> DNA
<213> Homo sapiens

<400> 405
atctccagca ggtagaaagg atttgtttct tgaccatgca aagtctgagt cagactgcca 60
ggtctcctag gctgctgccc tccatacggt gactcagcaa ttcagcctgc gtctgtctca 120
acacaaggct tccagaatct ccaccgtggc acagaatgag agctggggag tcctgcaagg 180
gctcttcatg gcctcagcct ggaagtgatt ctcctcactc acactcagag cacattggcc 240
agaatgagtc ccaggccctc atctaactgc aaggggggctg ggaaaagcag ttttcttggg 300
taactgggaa ggaaaggcga gtacacatgg atgagcgcta gaagtctcta ccatagcagc 360
tggacaaaca acggtggagg agcattccag gcagaaggaa cggaaaaggt gaagac 416

<210> 406
<211> 256
<212> DNA
<213> Homo sapiens

<400> 406
ctagaatctt tacttatgta actgaaaatt caatgaaatg aattagagcc aatggacagt 60
gaagatcatt gttctcagag aagttcttca tgttatggat ccgtgactcc ttaatacatt 120
ttcctacttt tgaagaaatt gaactgaatt tattctattt atataacagg aaagatgcca 180
aactgtggat ctgcttattc aaagtgactg aattttgtca ggctatttat caacaaataa 240

agtatttgta attatg 256

<210> 407
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 407
gtttcttgtg ttttantnnn caaaactgta ggaatataca naantntggg ttgngngtca 60
nacattttca aanggggcat ntnaaaaaat tcncgngngg acccccancn cnccncagtn 120
tntccccccc ccaaaggggc aanccaccng tacccaanac cnttggcact tttggtcttt 180
tgggaagtcc ccggtttacc ttcttggcaa gttttattcc tttggggatt ttncccagga 240
anaacttacc cncggaattc tnaaaaaccg gtgccncttg aattggttcc caccancatt 300
ttttcattta agtagcccca aaacaacccc agaattaaat gggaccaaaa tcttatggtg 360
ggggcattat accccncacc atnggatgaa tttacttcan ccntttaaag aagggaaatg 420
gaggggccct tgctacattt cttttcaaca tnggatnggg attaaaccnt tggaaaacct 480
tggatgctta agtnaaaaag aagggcaggt ccccaaaaga cttcatttgg gatgaaagca 540
ttnccagaac aagggcca 558

<210> 408
<211> 419
<212> DNA
<213> Homo sapiens

<400> 408
ctctactaga gaccataata atgcagtgaa tttaattatt tcatagagat gaaataacta 60
tcttcaggga tatagaaaat gtaccctcct catcctgaca aaattttgca gatctctgga 120
gggctataca agaagaaatt tcagagaaac cctaaacaaa ctccacagct ctttgcaatg 180
ccaggaagaa tttttaccat tatataaatg ttaggtttaa tttaatcatt cacataatgc 240
ctactgatgc attctcttgc atagcatgtg atgtgaaatt tgtgatttgc cactattgta 300
ttaaaaaata agcattaatt acacactaaa attaagccat ttgaatcttg gaggaggcaa 360
aagccaaaga aaatgtgcag ctggtcagga agtaaatcca gggtggagaa atttttgtc 419

<210> 409
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 409
actttgagct tcanancact gggatgctgc aaaagccctg ctcattaaat cggaccggct 60
agacatggaa cangcctgca gaactttgga gagtatggtt tggactattc ctgcactcag 120
cgatacggga caagcacaga atgcaataat atttaagttt gttcaaaaag ccaaatgctt 180
ttgcaaaata ctctttttta tttaatagga aatagagatt gcttatggaa gagtgggatg 240
ggaacctgtg gaaagacatc ttaaatccaa cccctggcag tctgacatan ggctgntgnc 300
aaatccccat agncacactc ccaatcacaa tgcttcttag atcccctaac ccaccgcanc 360
ctaaggccta caaagacagc tcaatggctg ggcncggngg nttacgcctg taatcccaca 420
ctttgggaag gccnaggcgg gccggat 447

<210> 410
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 410
agtctgggac tcctgcatta agtnatanct gatacggncg gacangtagg gatcgtctat 60
tgnatgtgaa accagagatg cccgccaacc tggaatagag aggaagagag caggcagatt 120
tgnacctatc tgctttcaag ctggtcatca tgatgaaact tagacac 167

<210> 411
<211> 255
<212> DNA
<213> Homo sapiens

<400> 411
ggttgcagaa aaggaagaag aatcagcaga gagcatttgt ggccagcaaa gcttaaaata 60
tttcctaacc gatcctttgc aagaaaagtt cacccactcc tgtagtcagc agctccccta 120
ctgtgcgcag tcagtgtgcc atctcagact agcaaagatt tgtgcttgga tcatctacac 180
ttccctgaat gctgaagaag atatgctatc catgcaatcc ttgtcgactg cttgattaaa 240
aagtggataa actgt 255

<210> 412
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

<400> 412
angtacagta caaaatgatc tacaactatt gagtggacca actgaaatca tttgtcaatc 60
ctctttgcaa atgaacttgt gcaatgtatt aaaacatttt taaaagttca t 111

<210> 413
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 413
ganntgntnt tgcattacct canaagctag tcacaggaga acaatgattt gctctggcaa 60
ggcgaagaca gtaccaagtc attgcntnat ctncactcac attcngagtt cctgagcagc 120
tgctctggag gtggattaaa ataacccatc atttcagttt ttataaccca ttcagcattt 180
aggaataaca tggatggttg aacccatgga tacagagggc caactgcaca tacnatgaat 240
gcttgaagtg cactgatctt cagtgaacag ctcactgact ctttacaggt ctcaaactcg 300
tgagctcaag cgatccgcca cctcagactc caaagtgctg aaattatagg catgagccac 360
catgcctggt cagcattggg gagtttcaag aactattcca gcaaaggagg ggaacttcac 420
caccgctgca tgtctacctt ggaaagtcan gcagcattgc ttctgctggg ttctctttgn 480
tacaaatatt gaaaatttgc tacctgcacc tgctgtgttc ccaccctctg gagacctggg 540
aacctggctg cacctgggaa g 561

<210> 414
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 414
atgaggaact gaggcatagt agtaaaacaa cacacctgat gtcacccagc ttcgcggaca 60
gtgggagagc cagcgccccc cagctccagt caggtctcac tccctgcaac acgagcaaat 120
ggacatggcc atgggggcga ggactggggg gcctgccgag gagctggagc catggggtcc 180
ccagaagtag aggcctagag gcagcaccgg tacccactgc acctcagggc tgctcggtga 240
ccgctctcag ggcagccctg ggctgttctc aagatcaact tcaccctcag gagactaagt 300
tatgcccagc tgaggatgtt cacaaggaca cactgcaggc cctagaggca ataccccctgg 360
agaggctcca ggcccacgga ggacgtggcg gccggtgagc aatccaaggc cctgggccca 420
aggtggactg gggtttgccc ttccacctgg gacattccaa gttcacgttt tctcangtct 480
catttaacaa ggaaaaaata gtacacacaa gcactcacgt ccacaaacaa cttcttttct 540
tcctnaaaaa nggaaaacca cctgggcca 569

<210> 415
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 415
cctatctgtg nngtgtgntn natgcactgg ggccaancac ttnttcggat gctgntacaa 60
caataatgaa gttaccatat tgctccagac aagagatgct catggcctca tggcctgaat 120
taagcagttg caactgaaat antaaaaagt ggccatggtt gagatacatt ttaaagatcg 180
aatctacaga atataacana ggattaggtg ctgtangaaa tgagaaaaga ctgatggcca 240
gttttggatt cagcagtggc tataatcatt gtgctacttc ttgggggaag attggtagag 300
atatgggata ggagggaaaa tcaaagaagt tnccatttta aaccccgtta aagtttgaga 360
caccaataag atatacaagt tccaaaggtc aattaccagt tttggatatg tgaattcaaa 420
aaagtatgag ctg 433

<210> 416
<211> 265
<212> DNA
<213> Homo sapiens

<400> 416
atttttgttc agattgaacc caagaggact cgtgactcat ggctcaactg gtcctatggc 60
tccacccaac agcaagttct gcacacccct atgattgctt ccccaacgaa tcagcagcag 120
ttattcccta gccccctgcc catcaaattg tccagaaaaa ccctaagccc caagccttca 180
gggagactga tttgagtagt aactccatct cccgcatggc atagctggac ttggattaat 240
taaactcttt ctttattgtc gtgcc 265

<210> 417
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 417
gtaangctga tctgnngatg nttgtggcng ntgttnnacc ctantgcacn ctgatttgtg 60
cctcctcctt gtccccacgt caagagagag cagcgggacg agtggaccct tnggaatcct 120
acctggggct tcccttccag gtggaaggga agtaggagcc aagatgcana ctccctgacc 180

gcaggcgctg ggccagccac aatgccatct tgcccctacc ctggtttatg attgtttttc 240
acctttgggc ccttggccag agaattccct ctgcctccaa tgtacgccat cccctccttt 300
cctttctgcc tgggacactc ctgcctatgt gcatgggcca ggtctggcct gctgccatta 360
ctatgtggcc atgagctaag aatggtttta tgtttttaaa tggctggaaa aaacatcaaa 420
ggaagaattc tattttgggc atgtgaaaat tatctgaaat tcaaatatca agtatccaca 480
aataaaatta aattggaaca t 501

<210> 418
<211> 324
<212> DNA
<213> Homo sapiens

<400> 418
tctccatgtg gtctgacatc tccagcaaga tttggcacac tgtggatgga gcaaacctgc 60
ctctggaatc aaatcattat gccgaggcat ccaggctgag ggtaacccag gatgaaatgt 120
ttcccaagat cactgggacc ttcctaccca catgaggtca tcaactgaga ctggctttct 180
ccagaccaga cttggaggtt gatgctatct tcacaagtgt gcaaaagtca ataagagttt 240
tgtgtaactt tgctcaggat actttgaaaa attgtttaat tttttatttc tggttatgca 300
tattttcaac tattaaaacc atgc 324

<210> 419
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 419
agtctgggag ctcctgctna gactnctgca ttaagtcnaa ctgangttga gaaggattgc 60
agcaatgcaa tgggcacacc agcaggctct tgaaggcact gccatactgc acagcttcca 120
caggcctgga gcctgaatcc tctgagacac atcgtccctg aaattgaaag attggcactt 180
cacccacacc tgagacggga aacatcatct cttcctagga ggacctgtgt gaccccgcct 240
gcatgaaagg tttgctcact cggtctgcag tggcaggccc acactcggca ttccccggag 300
tcctccagtg cctgcgtgca ctttctcttc ttggttggag gcaatgaggc tctaaaatca 360
aagacaccaa aacgaaggnt aggattcttc cttgngtcca tgntatgtta aataaaaatt 420
aatcttccaa gcc 433

<210> 420
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 420
tngctgncgn tgccanngan gctctatgga atgngnccct gccngtgtca nccccnagtt 60
ccaacctcca aagcacggnt ggagagcagn ggngcaatct cggctcaatg caacctccgt 120
ctctccctgg ttcaagtgat tctcctgcct cagcctnccg agaagctggg ntaacagcgc 180
ccccntttta cagatgatac cattgaggct natcanttaa atnnnctggc naaggccaca 240
ctgtggaact gggattccaa tcaggtctaa ctccaatgca atactccttc cattatactt 300
tctttaacct gccatactaa catagcacat agcctgcgac agtttaaaaa aaaaaatcct 360
ggcccccttа aaataagtga ttcattattt ttttaaatta taaactgcta ctgccaaata 420
gaaaagtaaa gtcgtttcat taaaaatgg 449

<210> 421
<211> 308
<212> DNA

<213> Homo sapiens

<400> 421
atattgaact gaaaccacca ttgagtcaat tcctgtggag cctctgcctg aaaatgagat 60
aaaagtcaag atgttgaaaa cgaaatttta aagggccttg tcgaagtcat cggcagtgaa 120
gaatgagatg ttaaaatcag atgtgatatg catggggaca ggagccattc aaaggccggt 180
ttcatcactg aacagctaga cctccgttct ggttggccaa cctcaggagc tgatggatac 240
aggttggaac caagcccagg ggtcctccgg aagaatctaa aacaggcaaa ataaaatgtc 300
ttccaaac 308

<210> 422
<211> 327
<212> DNA
<213> Homo sapiens

<400> 422
tcttccctat aggataatgg gagtttaaag atgatcagaa gacagttggg agcagagtga 60
gaataagaac cctcaactgc tgtctcacct ttcagatcac gaagaaagtt ttttacaatg 120
agcagaacac tcaacctgaa agcagaatgg attgagtcac tgcagccgtg gcagtggaat 180
ggtgtttgat gttggcaaag gaaacatgta cttctagact ggacagtttt cccttagttt 240
acagtttcca aatagagaca tcactttgaa ataacatgga gaacatacat ggatgtactg 300
aacgaagaat aaagtctgtg ttgcaag 327

<210> 423
<211> 284
<212> DNA
<213> Homo sapiens

<400> 423
cagaggaaga ggagcgactg aagaagaaag agggtggagg tgaagatgtg gagctcatat 60
tgaatctttg gaaaagtgaa aatggctttt agtatccagt aagaagagta aatagaagaa 120
ttttagccac aaatggaaaa gaaaacgtct cttcctcagc tcaaagagac aagctcttgt 180
cagttcctgt aaaatttaat gctggtgggc ctggaagcac atttctcaga caccctagca 240
aataggaatg accaagtaat attattttgc caataaaaat atgc 284

<210> 424
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 424
gtatattacg ttcttatatg aatgacagac nanacatgga atttgaagga aaggaagatg 60
accgttaagg tggtanggcc tttganccca agctaagcca tcatatcccc tgtgatcttg 120
cacctacaca tncagaatgg cctgaagtaa ggtgaagatc cacanaagaa gtgaaaatag 180
ccttanctga tggcattcca ccattgtgat ttgcttctgc ctcaccctaa ctgatcaatg 240
tactttgaaa tctcccgcac ccttaagaag gttctttgtn attctcccca cccttgagaa 300
tgtactttgt gagatccacc ctctgcccgc aaaacattgc tcttaactcc accgcctatc 360
ccaaaaacta taagagctaa tgataatccc caccctttgc tgactccttt ttcggactca 420
gcccacctgc acccgggtga aataaacagc cttgctggtc acac 464

<210> 425
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)

<223> n = A,T,C or G

<400> 425
ggctctttct cacttggatg ggtcccanaa aggcaactng catgttacca aatgncctng 60
naaaaaganc nngtaaggag gancggagga aggcntttaa ttgacagcct tcgaggaact 120
gaatcctgtt ggtgaccatg tgagggagct tggactccgg tccccctgtg ttgagccttc 180
agatgaattg gcagncccca gcttggtggc atgactgtaa cgtcctgaaa caccttcagc 240
ccagaaagca ttcagctaaa ccacacctgt atttctgacc caaagaaatt gtgagataat 300
aaacatttct tctctcg 317

<210> 426
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 426
agaaagagaa aatactccaa atcagaagnt aatggccncc nngctttcnn nnngcnttnn 60
cnnntnanna tngaaccacc ntcttaaant tntgggagga taaagcatca ggttaaaagc 120
tcacctggat ttgcgtgcct gagcagaaag acagaagagg cctgggaccc aactagcatc 180
atactactgc ttcatcagcc tagatgactg cctaccttcc tatctttctt acaagacaaa 240
ataaactccg tatttgttt 259

<210> 427
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 427
ggaattgaac agcttggact tggagaccgg tgngggttaa accnnaatta gnagggcggn 60
ngaaaaggac tnccanatng aattgtgttg gntattcata tcccccagca cctcaaaatg 120
tggccatgga ggatggagac agagattgga gtgatgcatc ttcaagccta ggaacactaa 180
ggattgctgg taatcaccag aagctggaag angcaagaaa gtgtcctttc tagagccttc 240
agagagagcg cagccctgcc aacaccttga ttatatgctt caagcttcta gaattgtgag 300
agaataaatt tctgttgtta taagccnaaa aaaaaaaagg cngncggggg ccnttnagnt 360
gggactnanc caggcngaac ttnttcaaaa gggggggggg ccc 403

<210> 428
<211> 376
<212> DNA
<213> Homo sapiens

<400> 428
gggttcagaa aatgctaccc caaagtactt tgaactgaag gtgattggga gggcctaaga 60
agcaagaagg tcactctgag ttcctcctgc ctttcaatgt gagacctgcc aaaagggaat 120
tctctgtcct acctcaactg aaagtagctt gtaagaactt catctcaaag gggtactgca 180
ttatactctg aggccaagaa aagtcaacgc agaggccttc ctgggtccct ctcccccaat 240
ttgttaccat acccttttgt cccatcatac ttctacatga ttttactgaa tctaagcaca 300
aaaatactca gttgtcccct gggtgttggg cctcatttct aatgggtttc gttccccata 360
aaactttggt taatgc 376

<210> 429
<211> 394
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 429
gcttcgcatg tnttanaggt cctacacnca nattcaccta ctncanggga ttcaagtccg 60
tcttatgttc tgntaatgac aactcttntt gaagttcttc anggccgtgt gaaaangaaa 120
agccngccgg gcacagtggc tcacgcctgt aatcccagca ctttgggagg ctgaggcggc 180
ggatcacctg atgtcangag tgcgagacca gcctggccaa tgtgtctgta ctaaaaatac 240
aaaaatcagc cgggcgtggt ggcgcatgcc tgnaatccca gctactcacg ancctgangc 300
aggaggatng nttgaacctg ggaggcggan cttgcattga gcntgggtca cactactgca 360
ccccagcctg agagaaagag caagacttcc gtct 394

<210> 430
<211> 343
<212> DNA
<213> Homo sapiens

<400> 430
atggaacccc cggcatctgc tcctagtaga ggccagtctg ggcctgacct ggcattccac 60
cctgcagata gcgagaactg ctgcagcagc cgccctagac cattctgcag ttctgatgca 120
cagcatgatg gaagcatatt gcagaagatt attctggctt ttgtagatag tggattaaat 180
tgggacagtg taagaatggg aattcagata gcccatggat ggacttcaaa atatcaccct 240
ctaaaattgg actcaaattt catgttcaga tgcccgtttt ccccactgca agaggaatcc 300
aactttcatc agatccttgc atcaattaaa ctttccttac tgc 343

<210> 431
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 431
ctcctgctta agtcgaactg aggggnntca aatagcnata nnntccctng nnacnggcng 60
ccacntccaa anggccggtt cnngccttan tgatgncatt tccccaaaan aagngaaant 120
ggcctgttcc tgccttactg atgacatggn cttgngaaat tccttctcct ggctcatcct 180
ggctcaaaag ctcccctact gagcaccctg tgacccccac tctgcccgcc agagaacaac 240
ccccctttga ctgtaatttt cctttaccta cccgaatcct ataaaacggg cccaccccta 300
tctcccttg ctgactctct tttcggactc agcccacctg cattcaggtg aaataaacag 360
ctttattgct cac 373

<210> 432
<211> 386
<212> DNA
<213> Homo sapiens

<400> 432
gtaaaattga cttgaagtcc actcagcgtc actgtatgtc taaaaataaa gaagcttgga 60
aagcctggat ggaaccctga gagacaggct agtccctcaa gcagttgcta aagagttgag 120
cggtttcttc tgaagttcaa gataacacta ccgaagaatg ttatcaccgc ctcgttctac 180
aattcgctca agtgaatcct gctaaatctt tgctcttctc acgagtcaga cctactgcta 240
ttagtggaaa ctacttatga aatgaatttt atttctaaat ttctaatcat cttgcaatgc 300
aatattaggc attgtcctct cggtccgcta acctgatcaa actggggtcc ctaaatccaa 360
acacgcacat acagcgtgtc ttctaa 386

<210> 433

<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 433
gaaattattg taactctgga attttagaag gtgactgcnt gacaattctg agaggccaat 60
gccaatgaga gaaaagttta ctgctactca tgatggcgcc cctggaagca gaagacacag 120
cacgctatag agggccatgt gggaaagcac tggagtagct ccaggccggg cttgccagtc 180
tctctgcact ctggaaggag tttgcctggg ttggggttgc ccttgtanat tccaaacctt 240
cattttgtca atttacttaa aggtgac 267

<210> 434
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(243)
<223> n = A,T,C or G

<400> 434
ataagggcct cgctctgtta cccaggctgg agtgctgtgg tgtgtttgtg actcaccgta 60
gccttgnact cctgggctca agcaatcctc ccacctaagc ctctggagta gctgggacta 120
caggtgagca ccgccaagcc tgacctcaag ttgaaatgtg atcaccaatg ttggagtggg 180
gcttaatggg tggtgnttan gctnngnatg aaaccattgn cacnaancca atggggatgg 240
tct 243

<210> 435
<211> 307
<212> DNA
<213> Homo sapiens

<400> 435
agctctagtg ccaaatgatg aatcttttct attaactgac ccagtcttca aaaaagaatt 60
gctagcctga gaaatgtgga atgcctggct tctctgacta gtgttgacac agttgtttcc 120
agcgtgaaca tacctgtaca agtgaagcca tcacctgtgt atccttcctt gcacagacag 180
cggtcaagaa aaaaacctgc aacttggatc caatataaac gatgacaaat ttcaaagaag 240
tggaagctaa attaatgaaa aatgttatgc aaaatgtttt ataatatagt taaaatgtat 300
gagtttt 307

<210> 436
<211> 332
<212> DNA
<213> Homo sapiens

<400> 436
gtgacggagt gagagaaaag tcagaacctt ctgctcaccc aggataaatc atagtactaa 60
tgattgcagt ggagcaaact tatctgaata ccagacagca agaaagttcc tcttctggga 120
gaagagttac caccaaccaa gacaacaaca ctcagaagac tgatttttga acgattttcc 180
aacactcacg tctcaattcc tcttttctaa aagtcaacaa aatcctggag catatcgcca 240
gttttcctta caattgatgt acatgtttgc tactaatttc tatggactcc cttaagtcct 300
ataaattgtc taccaaatct tcaaaaaaag cc 332

<210> 437
<211> 392
<212> DNA
<213> Homo sapiens

<400> 437
gtggcagttg ctggagtacc agggcaccaa gtggaggatg tggtagacag cctctaagat 60
gcgccccctg ccaatgatct ctgcctccag ggaggagcta gaaggcagag agaaagccac 120
tcaggacttc ccatcccaga agataaaggt gaggaaagca gcagcagcag ccacaggcca 180
gtattccaga gcagctttgg gttcctgtca agacctgctt tgagaaggag gtggctgtgg 240
ggctggaggg ctgggcctgt tcctgagctg gctgctggca ccacagcaat gaggcaacat 300
tgagaactgc gacacgaggc ccagtcctgc tactaaacca actgtgtgga cttgcatagt 360
cacttcaccc ctcgggcctc catttctcca ct 392

<210> 438
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 438
ngangggntc ttgctatgtt gttnatgcng gtnncacnct cctggnctga nntgannctc 60
ccaccnaatg ctacanaagn gctggngtta cttacctaaa cctacaatgn gaagagaatn 120
tgacactatg atnccanctg gaaaaccacc ancacccaac atgcgngctn ccaatctctc 180
gaatcgtcac tgtgcctccg aacaccactt agttccctca aatatgtcct tctaacaagc 240
aggcgtgctt tcgtgtattt agaacaaatc ttaaatgtac acatgcatcc aaatcttaaa 300
attcagaata aagaaaagca gagaaggaca gaagaaagac taatgctacc g 351

<210> 439
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 439
ctatgcatgg aangagtgaa gaggatgctg ntggcagaga actcatcggc agcagccccc 60
anaggataat gtacaaggca cgttntgtnc agggagtctg ccngcctggc caagagcacc 120
cccaaaagca cttggaatga gcccagctac nccaagggtn ggagatntgc caatatcatg 180
gagggagaaa tacacatcta gnntatgacc cagcatncca naggcctgca ggctaacccg 240
cctncctgga agaaaacaga aagtagaggg cctgtcactg ctggagatac ccacgatgga 300
gacaatgctt cagcagtgag cccaggtgtc gccatgcaat ggcatgagag ctctgccttt 360
gtccatcgac atggaagtga aataaaaaga aaactt 396

<210> 440
<211> 350
<212> DNA
<213> Homo sapiens

<400> 440
gaaccaagag aagcttctca agggtcagat tattccagct acctcttgga tgcccccgag 60
gcctctctac aaactgagtg ctgactgtga ccctccatga tggggaagaa aggatcatac 120
cctttccacc cttacacttt ctaggcaaaa tacacagtaa tcatcaagga atttggttag 180
gccctcatct gactggttcc ctatttcctg gatcccatat ctgattcttt ctctgtttat 240
tcccctattt tggaagacca catcctttct aaaacagtgt gcatcagaag ggaagtgttt 300
tctacattct gcatcctaaa aataaatgtc tctattctac catgtgactg 350

<210> 441
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 441
cntgcanagg gggcttncnt tattccttct tcccgaaaga aggaggaaag aagggnancn 60
cccacgaaag naaaacgcct tggnngccna ncccccaatt tncttacttt catggggang 120
gggaaaatgc ccaanggatg cttntaaaaa tcaccaccgg nctttaaacc attgccccaa 180
aaccgggtaa gttttgnggt gttgggcttg ggtccacttg tccctctggn caacctaaca 240
agggagggna agaaaccaag ggcttaccna aanggatgtt tctttcctga ggggaaacca 300
ctcctataga ctcctctnga antccaggaa ggaagtgggn aaaacccatc ttcnnttaat 360
cacatttttg ggat 374

<210> 442
<211> 153
<212> DNA
<213> Homo sapiens

<400> 442
gtgaggcagc catattgtga ccatgaggga aagaccatga gaactgaagg gaaatggact 60
cagaacccag atattgtaag gctcctggag aaaccctgga aacatctact tctcaacgtt 120
ttcgcttgtg agctaatgaa acaccctatg gtt 153

<210> 443
<211> 77
<212> DNA
<213> Homo sapiens

<400> 443
aaattccaaa gaacatggaa aggagaccac aggaagaatc cagaactgct gcccatcata 60
aaatttttcc atctgcg 77

<210> 444
<211> 430
<212> DNA
<213> Homo sapiens

<400> 444
tttcttggca cgctggctga agacatgttg cccacaagct gagggaggtc cttacccgtg 60
gacgccaagc tccgggaggc tgcagtggcg gcagctgagt ctgcaggtgg agaggtgcag 120
ggactgtttt gcctccacct ccttcaatac ctacttttct ttccagcaac agtcccttcc 180
cttacgctcc cgaatccacc ctggccctga ggctgcacct gagtaccaca tcctgacccc 240
acttgtttgc aagacgtctg catgtccaca agtgcagcgt tcatctcatc tcaacaagcg 300
atccctccgg agcagacggg tgatccctac caccttctga acactcctac tcatcatctc 360
ggtaacaccc tctacctgtt ccatacctag gccagaggtt ttcaccccgg ccacacgtca 420
gtaccactta 430

<210> 445
<211> 337
<212> DNA
<213> Homo sapiens

<400> 445
aagaggaatc aattctggac cagaggatgt ctccctgcct ttgccctgcc tgcctccccc 60
cacatccttc tctggcaagg ggaatgaggc tgagaatgac ctccatcctc aggacgaggt 120
attaaatatt cagcccatgc cagagtgagg atctcctttt caccttctgt ctgaattgtg 180
ccttgaatct gtttcgcgat gggtgcgaac tgggtgagac acttgtctta gaaccgcagc 240
cctggcaact ccacgccgcc tgacctcgag ccggtttcca tagcctgaat ccttcctctc 300
atttgcaaac aactttctta gtaaatgatg acaaagc 337

<210> 446
<211> 266

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 446
gttcctcttg tttnctnnnn agcaccngct taagtcagac tgacccgaat gttcctcaca 60
anaggcctac aatgagctat tgcagtcacc agatgggact catgaatgca gcaggtgggg 120
cagatggcaa ggcgccctgt ctgatgctgn ctgcctgggc atggactgcc ttttccttcc 180
agacctttc ctggatatgg ccaagtctga agtttcaaaa tacatgttat tctgaaccta 240
ataaagaaaa catatatcca accttt 266

<210> 447
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 447
gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tctcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgctcaca 360
caaaaaaaaa aaggncnnng nggccaattn agnttggact taaccaggcn gaacttgntc 420
aaaaggggg gggactaccc ccc 443

<210> 448
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 448
aaagaacatt acatggcatt tcctactgaa gatgggactt agcacaaaaa ccgtcatggg 60
ttccaccaaa gagatcatta atgtctcaaa acgtctccaa ggatacatga tctacaaagg 120
accacagagt gccctgcaga attgggttga aaaactaaag aaggcaaaca gagtttatgg 180
taaggcggca gtctctggtc cccgttgtga gattgggttc ttcctgcctg ttcctggagt 240
ggcatggaga aaagagcatg gatttgcaga agagacactt gagagagagc tgactgtgat 300
ggtgatgctc acagggaccc ttgaagacat gagttaaaga tcgtagaagc atgacaagtt 360
ggatacctga atgactgtgt ggatctgagt ttcccagtgc cctgcagtac atgatcacat 420
tgtttatgag actgactatg tctgagccan aattgattgc atctatttga tgctgcaact 480
taacctgtgc ttaacactat ctctggggaa aaaa 514

<210> 449
<211> 239
<212> DNA
<213> Homo sapiens

<400> 449
gacatcttca ctgcttccat cccgagaact tcagaatcca atgatccaga ccagcccagt 60

gcaatcaaca gtgagccaaa tcaaaaagca gcctacattc tacctgataa tctacacaca 120
ggctgggatc tgctgggttc tactaggtga attgaattgc tccatgccag tggaaaattt 180
tttcacatca gtttttccta gtagatgttt aaaaaattac aaagaatttt ccaatcgac 239

<210> 450
<211> 503
<212> DNA
<213> Homo sapiens

<400> 450
acttctatca aaagacataa aggcagaacc gtgggatcag caccacacac agctgctttc 60
ttcgaacatc tgaattatga cttcctgttc ctgggatgat gctggggaca gccaaaaagt 120
tttagagcca gattccttat ccaatgggca aggaaggggt ggcctgttga aacatcctga 180
aatacatcaa cccaaaatac gaccaacaaa aatgtggctt ccaaaaataa ctccgccagg 240
cgggtctgtg tgccggctgg gaggaaagag aggtgggaca gaaccagctt ggaccttccc 300
ccatcccagg agtggccatc ataccagcgt cagtgatccc agcctcatac ctttgccttg 360
agactctgca ttctgttgct tgttgatggt cactttgttc atataaatgt actcctcatc 420
agagcctgca gaaggaagga gacacaggct ttgtgtgact tcctgaagag aaagggcctc 480
cactaaaaac cctgttactc caa 503

<210> 451
<211> 215
<212> DNA
<213> Homo sapiens

<400> 451
cactttaaag atgttgtcat ccaaaaagcc ggcatggtgg tgcatgcctg tcatcactac 60
tactcgggaa actgaggcac aatcgcttga gccctggagt tccaagccgt agtgggcaat 120
gattgtgcct aagaatagcc actgtgctcc agcctggaaa acatagcaag acaaaaaaag 180
aaagagaaag aaagaaaaaa aagaaagaaa gaaag 215

<210> 452
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 452
gaaccccaga ttcttctcca tggtcggaat cattgcaaaa taactggttt ccctaggatc 60
accagctgtc atggactgat ttgtgtctct ccaaattcat atgttgaata cttaacctgc 120
cntgccaatt gntaatggga gataattcct ttagggaagc aatgaaggtt aaatgaggcn 180
ttngtgggag cttaatccaa tgggactggg gtccctncca gaagaggaag acaccagagc 240
tctctgtctc cacacacaga gaaaagaggc tgtatgagga cacaagagaa ggtaatagct 300
gtctacaaac caagaagaga agcctctcca gaaaatgaac cctgctggaa cttggtcttg 360
gactttccag cctccanaac tgggagaaaa taaagttcaa aataaaagtc tgttgtgt 418

<210> 453
<211> 196
<212> DNA
<213> Homo sapiens

<400> 453
gactttgtgc tcctgtgatc cactaagata tcatgtgctg agtaactgct ggttcaaaga 60
aaaagtggat tcatgtggag cagacttgaa cccagactca actttacagc caactacagc 120
caacccgcag cttggaacgg aggcaggcaa gctagtccgt ggacccataa gtgataaaaa 180
caaatgcttt cattat 196

<210> 454
<211> 137

<212> DNA
<213> Homo sapiens

<400> 454
gttatgtaaa gaggtgcctg cttctccttc accttccacc atgatcatca gcttcctgag 60
gcctccccag aagccactat gcttcctgca cagcctgtgg aactgtgagc cagttaaacc 120
tttgttcttt attaatt 137

<210> 455
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 455
ctcagccgaa tcgtcacttc ctctggggac cctgtcctga cccccatgac cgtggctgcc 60
tgtggaaggt gctggtaaac atcctgttct ttcccctcct ggcgctttcc gtgcctgtgg 120
ctcttcccca gtctggagta cagtagggtg ttcttggctc actgaaacct ctacctcctg 180
ggtttaagca attctcctgc ctcagccaca tggagtattg ctctgtggcc caggctggag 240
tacaatggcg cgatcttggt tcacagtaac ttccgcctcc tgggttcaag tgattctcct 300
gcctcagctt cccaattctg gaggctggaa gtccacgatc aaggngccaa gcatggtcag 360
tttcttgncc tngcttcata aggccgcccc aattttgcca tcttcacaaa naanaagggg 420
tactcacgtg 430

<210> 456
<211> 211
<212> DNA
<213> Homo sapiens

<400> 456
ttgagccttc aaccctgtga cactataaat aaactgctcc tggagctgcg gaaattgccc 60
attatctcca agagcatgtt ctgataagag tccatcaaca tgaagccaaa actcattcag 120
agcatcaaga gaggaaagtt tctagtgatg gtttggtcat ggtctctttc aggatgattg 180
catggcagag gaaggaataa aactgtgaaa g 211

<210> 457
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 457
agtctcttcc acagtgctga gcatgagtgg agcttgctaa atcattgcta aatgaagcaa 60
tgggctgtaa gcatgtcctg tgggatctgc atcttcagat catcctgaag tactcaacaa 120
ccacatcttc ttccaggaac agagcccaac ataaactggt agggtttgct gtcttagaca 180
gctaagagaa cgaggagtgg agctagtgaa caagcagtga agggggcagt tccttaatgc 240
cacccgaact gaatttcaac agtctgacaa gctagcgttt tgggtaaata tcccagtata 300
cttgtcacag agttaagtaa aatggacttc cttcaaagga agtgctttta atacaataac 360
tgnttttggt ttttttancc atgggattaa aaatttacac atttactaaa tctggcatat 420
ttat 424

<210> 458
<211> 190
<212> DNA
<213> Homo sapiens

<400> 458
gcaactaaga caatcatggg gatcacactg tgttccttcc agaaatccag aaagcctcag 60
ccaagctggt actggcaaag acaatgataa ttctcgtgag aaaggtaatc ttggtgtggt 120
gaagagggtt tgcatggaat cagaagaatg ggcaaaggtt cctctgcaag atattggaaa 180
gaagacgaag 190

<210> 459
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 459
tgcctgagaa taaccnnaac gtgctggagt acatcatgtt ctggttagat nacgggggac 60
taaccagaac agactgactc tgtccgaatc acccctggag acaggaaatt cttcaacact 120
ttagcccggn angtcatgct ctccagggta taaaacccaa ggccagcttc gggcacttga 180
agacaaggac tccatccacc caggcaactt tcccgagcct catgggagca actcctcatg 240
aatcccaggc ttctgttgct tttgctgcct atctataaga aataaatcca cttcatttaa 300
cctgcaaaaa aaaaaaggcc cgngnggcca attcagcttg gacttaacca ggcttgaact 360
ttggttaaaa 370

<210> 460
<211> 161
<212> DNA
<213> Homo sapiens

<400> 460
cccacattgt gaggaagatt ttacaacctt ccctttacag atgagaaggc taagcaagag 60
aggttacata atgctcctga agttccacgg ctgttacttc acactctatt gcttcttaaa 120
ccaggatgca ttttataata aataagtata tttggtgtga t 161

<210> 461
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 461
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgctcaaa 360
aaaaaaaagg ccaggggagg ccaattcnag cttnggactt aaccaggctg aacttgctca 420
aaagg 425

<210> 462
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)

<223> n = A,T,C or G

<400> 462
tcagactgag atttcccatt ntggccacgc ttcacatgcg acacatatng aagtncacag 60
cagcttcccc ccttacctgc aagggatatg ttcacagatc tccagtggat gcctgaaact 120
atggatagta ctgaatccta tatatactgn ttttttctat acatataata aaaggttata 180
aattacgcnc agtaagaaga ttaaaaactc aaaatatgag ttaaacncat atgcnatata 240
atatatgcaa taaaattgaa atactggc 268

<210> 463
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 463
acctccagtg gcagacagat ggatagagct atataatcat cagtggaagt gtgtgatatt 60
ctgtcttcac aaaccatcgt gcaaagcaga accaacggcc ttttgtctgc ttttagaaat 120
gtctgcaaga atccctccca cctgtcaagt tatggggatg aatatgtata aaatgcatca 180
tgtatgtgta cctgtagaaa acactggatt gggatgtgca gaggaaataa agcaaacagt 240
tttttaaaaa nncaaaaaaa aaggccaggg gggcccattc ccctttg 287

<210> 464
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(236)
<223> n = A,T,C or G

<400> 464
aatagggaaa tttggatgca gagacacaga gagaatgcca tgtgaagatg gatcagagac 60
agaagtgatg cggctgcaag ccaaggantg tgaagaatgg ccagccacca ctggaagcta 120
ggggagacgc cagcacagat tctccctgag agtatccaga agaaaccaac cctccaacac 180
ctggatttca gacttctgac cttgagaagt gtgagccaat aaaacaactg cagtgg 236

<210> 465
<211> 283
<212> DNA
<213> Homo sapiens

<400> 465
cccaggacca agattgattt ttttctgcaa gaaggattct caatcactat tatgaaaaac 60
cgaatggctt tggaagttag cctttgctgc agacttgaaa atgtttcttc ataaactcac 120
cctaacattg caaggtcaaa tagcactaca tgagaaattt atacttcagt gaagacattt 180
tgacaaaaac taacattgtt taaatcacca gtaatgttaa gctgctttat acatgtccca 240
ttctgtcaaa ggttaaaata aagagcaaga tcttcattcc tac 283

<210> 466
<211> 256
<212> DNA
<213> Homo sapiens

<400> 466
agcaagaact cggacctagc tgcactaagg actaagcaaa ctacaaagga agcaagagat 60
tggagtgatt caaggaagaa gccaccgagc caaggaatgc aggtggccac taggagctga 120
aaaatgcaag ggaaccgatg atcccctcag agcctctgaa ggagccaccc ctgcccatac 180

cttgacttta gcccagtgaa actggttctg aatttctgac ctttagatct gtaagataat 240
gaacttgtgt tgtttt 256

<210> 467
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 467
tgcactggaa caaaaacact ggtgtgccgg caaaagttta agaaacggct ctttggtaga 60
gaagcactgc ttcattgtgt ctgctgattt gcttaatgtt tttgggtagc tcttacacta 120
ctgaactcct gcttggggca aagttgccaa aaaagacttc gttatataac aacaccagag 180
gagagcaaaa gacttctaga ctttgggggc tatttaaatt ctggtggagt ctcgctctgt 240
catccaggct ggagtgcagt ggggtgatct cagctgactg taacctttgc ctctcaggtg 300
tcaggcctct gagcccaagc taagccatca tatccctgtg acctgcacgt atncatncnc 360
anaggcccgg accaattgaa aaattcncaa aaaaagngaa aanggccagt tcctgcctta 420
actgatgaca ttaccttgng aaattccttc tcctggc 457

<210> 468
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 468
tgcctaattc atactggana cggcagnccc cccaangagt gacctatgct ngagctaagc 60
accagccgcc cttgtctnga ggcagnttca tacaccaccc aggancccca angatctcat 120
gaatatgccg gcactgaaag ttgtagcaag aagacagncc nggccactaa aagagggagg 180
ngatcgtgct ggccaaggtt atcggaaatc tgggagatgc agatacctgg agtttccttt 240
gctctttcgt gtcatattca aataaaaatn aaagttttct tcagtccttt 290

<210> 469
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 469
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgntcaca 360
aaaaaaaaaa ggggccgggn ggggccattt aantttggga nttaaccagg tngaacttgt 420
tnaaaagggg ggggc 435

<210> 470
<211> 191
<212> DNA

<213> Homo sapiens

<400> 470
aaacacgcag cagtaacctg acgtgtctgt gaagacagca gagcagcctg cgcctctgga 60
aacacaccat catctgcctc tctccaaagg acgggggaga cgcctcatgt gagatggaaa 120
ttaagcctca gaagcagtca tttttcttta tattgtttgg aattaaaaac atattaaatt 180
gatccattat g 191

<210> 471
<211> 307
<212> DNA
<213> Homo sapiens

<400> 471
acagaagaga tcatggtcag tgggtcaggt ccaccatgtt gagcggcagt caagtatcgc 60
ttacggatac catcacaaag aatttctaag gaaaaaaagg agaaaagaca gacatacctc 120
ccggcgcacc atactacatt ctgactggtc cagaagaatg ttcaccacag ttccccagag 180
cccaccggaa atgttctgac aactgtttgc taaggccaca cagcccgttt caagggtggt 240
cagtgctgat cctaatccca gtgaagtgaa tctcacctgt tcaaattaaa gagaaagttg 300
ttgaatc 307

<210> 472
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 472
caaaanctcc gggtnagaan tgaccctggc aanatctggc aaacttgtcc atcntattga 60
ccgcggataa cttctttgct ttcatatcct gggaatctct tgctttgggt cttgcgaact 120
tcctggtttc ttgcattcct ttgcgcttgc acccctgggg accattaaaa aagaagaaag 180
ggaaccgggg aaggtaagng gaatcttgga aaggggacca acttggcacc cccaaaacaa 240
ggggaaattc ttgaagccac ccaagcaanc cacgcccagg tgggttaagc ccttaagccc 300
ggtgcccatg ttaagacgct cctggtgggc cgtaangcac ccgttaagct atgggtaagc 360
tccatggggg atcattgttg ggcatccacc ctatattggc aagtttctga aaatgataac 420
catttttaga aaatggatgg gaccaaaatg ggatgccaag ggtttaaaga aaanaaggtg 480
tttaataaaa aggggcaaac ancgganggn nccttccaag ggggnttgaa aaactnggtt 540
taaanaaacc ttnccctgtg ggtnaagggn gggatancnc cgaaatcttt act 593

<210> 473
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

<400> 473
ttncctgctn nagctnaaaa ctngaagaag anganctgtt ggnactngnn tngggcataa 60
nntagnntat tcctncnccc ttggcntttg aattccactt ggtggtcaaa aagggcttnt 120
gnaagccctt tcantgggng angaacaaat taatttggtg gaatngccca ttcaaccnac 180
ccgaagcctt tttgcaacct tattgaacgg gtgggggggg aatttggctt ggcacccttc 240
ccccaggtgg aaagaaccca aaaaaagggg tcacccccat ttcccttaat ggtccttggt 300
ggaaccctta acaaaggggt ggaacttggt ggctttggtn cggggaaccc ccaagggccc 360
caaagaaacc acaggcccgg gaaaaggaac cttcccgggg gggattacca agcccattgg 420
gcttaaaggg aaaggggaca aaaggaaagg tttggtcaaa aggaaatttt cccaaacgcc 480
caggggaccc ccaccatccc cttttgggta ttttggaatt ttcacaagnt cangcntggc 540

tttcaaacng ggaaatnggg gcttnttncc ncaccccang gggaattccc tttaancacc 600
cccaaacccg ggcctggcct ttttaaattt tttaccccca ggggaanggg acttcaccat 660
ttgggggcc ggaaat 676

<210> 474
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 474
cagaaactna ancacatntg tgaannctng gggaaactta caatcatggc ncangatnaa 60
ggaaanccaa gcacctctta ccatggnttg atgaggaaag aaagaaagcg aagggggagc 120
tgccacacac ttttaaaacc atcatatntc atgagaactc actcactatc acaanangag 180
cangggggaa atctgccttc atgatncaac cacctcccac cangcccttn tcccaacatg 240
gggggattac aattcgacat ganatntggg tggggacaca ganccnnacc atatcacaat 300
ccaatgtggg tgatagctgc tacagnaact gtantanact tgnnagatat taactgtcat 360
tgtcttgcaa atggaggctc nctncaaaag attaatatgc ancaatgggt gaaccacaca 420
g 421

<210> 475
<211> 249
<212> DNA
<213> Homo sapiens

<400> 475
aaccaaactc aacgtcaggc cgtggtttct gctcatcaaa gaatgactgc tgcgtgatca 60
ctaacgtgcc accacctgca cttcagtgtc tcaaggtctc ccctgccgct gacatttgga 120
acaggctggt caggatactg aggatgctgg actctccttc gcagtggtct ttgtataaac 180
ccaaggggaa tgggaatttg gagacaaagg aagccatcct ggagcggcca aataaagcct 240
ttaatcttt 249

<210> 476
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 476
gctggaangc tcntggagtg tgagcagaga ggaagagtgc ccagggacta caggaattta 60
atcaacttga gcaatcagac tgttttacat cctcccagct gacagccggt tttcccccaa 120
attctgtgtg gaatgcagcc acatcgtcta ttgaaaccag ctcctgacag accccaacaa 180
cttatacatg aacctaagtg aactatcctc agttccatgc taaattctcc accgtgggag 240
gggctacagc ttcattagca taacatgaga cccgtgttgc tggcaggatg actcactaca 300
tctgcacaaa tggggcctgt cctctatatg cgatgatcca ccctttcctc tctcaccccc 360
ataaaaccct cctgtcgctt ccttggggag acaccgcttt ggagaacact tgtagtgctc 420
tccttacttg tgacaagtaa taaaactcct ag 452

<210> 477
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(276)
<223> n = A,T,C or G

<400> 477
ncctncatta agnnngaact gncatngngt gtnacncatt agnatgagtn cacaattaaa 60
catgaactgg ttcctgccga aatgcaaaan aaacatgtca ntactaagct gctattttat 120
ttgacagctc attttccttt ttccctgcag tcatttgttg tttataagca aacctgagcc 180
tccaaaacac ccccaaaagt gcacacaagg agtcccataa tcagtttctg actttggccc 240
taaatcgatt agaatacatc tgatctgctt caaatc 276

<210> 478
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 478
ttgtatggca accctgtagg ctcctcaccg gcccaagttg gctttgggga gacccagccc 60
agcccagacg ctccaaggac cccattggca gagctgcgac cagagaccac tgctctgcaa 120
gccacgattg ctgtccgggc agtctcaccc acggggcaga ctgaatcctt ancttgctgg 180
tttgtgtcat catccggcat caggctcagt tcaaatncca gctcctccac ttccaagttg 240
ttggctttga gcaagtcact taatgtcgct gcgttccatg ccccatctgt gaaatgaatg 300

<210> 479
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 479
caaaattggg gggggntttt nctntgcgcc ctgtgngtgt ttctttnaat gnaaagnttt 60
tntgtggcaa anttaccntc gnatgcaggn atncaatggc cattcagccg gggcagttcc 120
agcnttcggg ggacaggagc cccaccccan ttttgtntcc caccacntcg tgtggcgcta 180
atcagganag gacagcgcca tctgccaatc ccctgggctc tgacaccctt taaggtgtag 240
cgcacacagc ctcaggagcc gccatgacaa ctgaagatgc tacacgaagg ccaggggatg 300
ctgccatgtc ccccangcag gtgccccgca gcctgtggcc ccacgccatg gtccagtgtg 360
gggggaaca ccnttgattt ttaataaaga gancagaaga ccctggctgg gtctntnacc 420
actggcactt ct 432

<210> 480
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 480
ccagcaacac agaatccaca gaaggaagac aatggagcta caaggtggga gaagctgcct 60
gggtctctaa atcactgtaa gataatcaac tgcttgggaa aacctatttg gattttaagt 120
gaacatgaaa taaactacta gcctgactca gctctcaatt gactggggat gccattcaag 180
aggagatgaa gaagtctgtc ttctgaattc tgacctgatg tctacatact taacaatctg 240

gcaggatata atattctcgg gtcacacctt ctttcagaac ttgcagacac tgcattattt 300
cttttggcac tgaattcaac tgggagaagt ctgnggccag ccaaatgttt aaccatttga 360
aaggacttcc ttttttgcct aggttttcca ttttcttttt angaactctc ttttttaatc 420
actaaacttt tatttaaata c 441

<210> 481
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 481
ancnnctgaa gtgncaanng aggctggagt gcaatggcaa aatctcacct caccgcaacc 60
tccacctccg gggttcaagc gattcttctg cctcagcctc ccgagtagct gtgactacag 120
agatgggtct cgccacgttg ctcaggtggc cttgaactcc tggacttaaa taaatcctca 180
tatctcaact tcctgaacag cttggactac acatgtgtgc caccatgccc agttattaac 240
ataattttaa aataacatct cctgttctac tataaaagta agtggaataa aaggtcagaa 300
aaat 304

<210> 482
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 482
ttgaatacaa ggatgtggtc aactatactn gttcttaccg ttgaaaaaga agtgctgagg 60
ccaggcatgg tggctcacac ctgtaatccc agcactttgg gatgccgagg cagctggatc 120
acttgtggtc aagagttcaa gaccagattg ggcgacatga tgaaaccccg tctctactac 180
aaatacgaaa attagccatt gtggtggcac acgcctgtaa tcccagctac tcaggaggct 240
gatgtgggag aactgaaccc tggaggtggg gattgcagtg agccaagatg gcgctactgt 300
gctccagcct gggcaacaaa gcaacactat gttttaaata aataaataag tgctgagatc 360
tcagaaaatt nnnnnnnnnn nnnnnnnnnn naacccnaaa aaanggggcc gggggggccca 420
ttt 423

<210> 483
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 483
gactctgggg agctcctgct tnanntaaaa nnngaggtng cagnaccccn ntttaaaaag 60
gggtcnngcc ntgtncnttg naggaaggna tgctgcncan aggccaaaac aaatntcgac 120
agtccttgct gggttccctc actcagtcta gagtatcact atgagatcat acctttggt 180
ccaagcatat ttctacatgg ttatcaatca tgcctatcca aggaagtttt cataaaaggc 240
ctacgaggac atgatttgga gggctttcag atagaggttc ctggaggatg ccactcccag 300
ggagggcatg gagcttccag gccccttccc ccatacctgg ccctgtgcat ctcttcatct 360
ttattcatta taatatcctt tgtaataaac cagtaaatgt gt 402

<210> 484

<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 484
gtatcaatca tgaagttaat aagaagtggg atcctccaaa agacaccttg gctttcccca 60
cagtcatcca cctgttccac ctgtttcaac aggtgaactc actgcaggca cagaagacat 120
ctaaggactt tagaagtgag gtagcctccc aggacaccaa gacacctccc ccaagaaatg 180
actccatttg tacattttca tataatgttc tttctacaag aggatctttg taatttacta 240
gacccttttc tttctcaaaa tacatgagga taccagagga attatcttct aaccctcatt 300
ttgacccttt cacctacaaa cttgattgga tctgcctaat ctctgaggaa cttgctaagc 360
tctggttgtc aatttatatg gccagattga cagaaagtat gaaagtcctg tggaactatg 420
tttactttca cacatgaacc agtganggaa gccagttcat ctggtgatgc acattgatgg 480
ctcttcttgg tccccaa 497

<210> 485
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 485
gtccagctaa tgatccaatg agagcatccc aattcatata caacttttc gattggctgt 60
aaaagccagg taatggatac caccaggaga ggttgactgg atacaccata tctcttcact 120
cactcaaaga cccaaactga tggagaagta aacatcccta ccagtcacag tggcagaagg 180
aaagaaagct ttgaagtgtc ttcaactgga aatcaaattc tccatcctag aagagacgat 240
cattatttcc ttaatgatta attatttaca acttgnggac ccggaagtca ttatatgacc 300
taccccaatc accagggact ttgtagtata attttaccac atctggaatg cagacaggcc 360
taatatattg gccaaaaaaa tcaagaacta ctttgatcaa gcntaaanta aaaggtggtt 420
ttaaggaaaa gttannnnnn nnnnnnnnnn nnnnnnnngg gggcngnggg gcccnttnng 480
ttgggattaa cccgggttaa nttttttnaa angggggggc cccccc 526

<210> 486
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 486
ggcccagtga acagagcccc tggacattgc cggaaggaaa ggagaaagcc cagcaaagca 60
cacgacgtat caggcttttc atgtgtcatt gggtgaaagg gagtcacatg ggccaaggag 120
gggaagcagg tgtcatcaga gcagttccac agccctctag gcacagtaac aggcatgctt 180
tctgtccttc tctcctttta gattgtaagc tacccaaagt ccatctccat gggtttttt 240
ccttatgtgc aaactaccat atgacaggtg tgcctgacaa taactcaggt atagctgaga 300
atgatcctgt agtccaagaa tgttggttct gagctctgaa ctaaggaatc tgggagctgc 360
caacccaaaa ggttactcct tatctatgga gcataagtga acccctggcc catttcttgg 420
nacaacatgt gcngggnaac caaggccttt ttttttaact aaggggggaag ggggnccggn 480
naaaggcccc caggaaaaag ggggcccggg ggg 513

<210> 487

<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 487
gctgatctcg aactcctgag ctcaagcgat cctcctgtct tggcctccca aagtgctggg 60
attacaggcg cgagccactg caactggccc attaaatttt taaccccgta cttgacggat 120
cagctgacac tacccagacc agtaatctgg ctcaaccagt cctgcgatcc cacccaggaa 180
cagaagacag caagaaaacc tcacttcaac actcccgtcg atgactccat cgacctcagg 240
aagctccaac caatcagcac tccccacttc ctgagcccct acccgccaaa ttatctttca 300
aaactcggat cccctaatgc tcagcggaga ctgatttgag caataataaa actctggtct 360
cctgcaaaaa aaaaaagggc cgggggggccn attnannttg ganttaaccn ggntnaactt 420
ggttaaaagg gggggg 436

<210> 488
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G

<400> 488
tgccttcgcc ccctgtgagg cctcagaaca ttcgncnngc tccagtcatg gccacggcaa 60
gtgactgctg atttgcctaa ccccacatgt 90

<210> 489
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 489
tacctaaaaa aataaatcct ggccgggcat ggtggctcac gcctgtaatc ccagcacttt 60
gggaggccaa ggcgggagga tcacgaggtc aagagattga gaccatcctg gccaacatgg 120
tgaaactccg tctctactca ggaggctgag gcagaagaat tgcttgaacc tgggaggcag 180
aggttgcagt gagccaagat tgcaccacta cactccagcc tgggcaacag agtgagactc 240
catctcaatc aatcaataaa atcaacatat taaatgtcaa aatacttaag taaaaatgtt 300
ctacttgttc tatgtcactg aaagaatagt cataaaaatc cagtatgaaa gtttttaaca 360
gactacttta tttacattct attacttgat aagcagcact tgaataacca aatttatatt 420
atcccagaaa gttatggaca ctangtgctt caagaagttt gctgaattaa angacagatt 480
tacttattgg cttttggtta aaaattatgc aaaaa 515

<210> 490
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 490
ggtggagtct ccgggaggat ggctgtggaa gaactgccaa ttccaagggc ctggtcaggc 60
agaggcattc ttactattcc aaaacaagga aagggtaaaa ccaagatgtc aaaggccccg 120
ctggtgtgga ancaaatttc tgcctccacc agctggatgg ctgctacccc tgtacaggtc 180
cctaacactg gaacagggat caacccaagt gcttggggct caccatgtcc tcctccccag 240
ccaggacagc aagtggaaga cacaggcgag ctgaaagagg ctcactgtgt gcccagccct 300
aacccccctgc ctcattggca ccaggcaccc aggactcctc agaactcaga gccagggttt 360
gggcagcctc ctcgtagtgc tccttgaata ggatttatag gacttgcacc angagctttg 420
ggccattcca ggggacattg cttttggggg aaaaaaagga cccaatatgg gtatctaaga 480
actttgaagc atgtcgtcag aaatcggagc ttcanggaat tgggaaat 528

<210> 491
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 491
gttctgattg atgcagaggc tgttgaagta gaccacacga ttaaagcaag agagggagat 60
agaagtggag atggcggcaa cctattatac ctggatatat ttggtataca aacaaagaga 120
ctcaatgatg aattgaacaa tgaatctgaa ggaaaaagga gaaagaaaac acaagtgtgc 180
aggtgtcaat tgtataccat catagtacca tcaaaagaag taggaaatag tggagatgaa 240
gcaggttgat atgatttggc tgcttcccca cccaaatctt accttgactt gtagttccca 300
taatccccac atgtgggggg aggaagcctt tangaggtga tttaatcatg gggtggttac 360
ccgcatgctg ttctcatgat aatgagtgag ttctcacaag atttaacgtc tttanaaagg 420
aacttttcc ccttttactt ggcacttctt ttttgctgtt ggcattgtga aanaangaca 480
tggttgcttc ttcctttccc ccttgattgg naagttcccg anaacctccc cagcctt 537

<210> 492
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 492
gtgctgagtt gaatactngg atgtggtcaa ctatactgtt cttaccattg aaaaagaagt 60
gctgaggcca ggcatggtgg ctcacacctg taatcccagc actttgggat gccgaggcag 120
ctggatcact tgtggtcaag agttcaagac cagattgggc gacntggggn aaccccgtct 180
ttactacaat ccaaaattag ccattgtggt ggcacacgcc tgtaatccca gctactcagg 240
aggctgatgt gggagagctg aaccctggag gtggagattg cagtgagcca agatggcgct 300
actgtgctcc agcctgggca acaaagcaac actatgtttt aaataaataa atnagtgctg 360
agatctc 367

<210> 493
<211> 189
<212> DNA
<213> Homo sapiens

<400> 493
gtaaagatca tcttgttctg ctgaaagtca aaagcagccc ctattgttgt tttttaaata 60
actctctaat taaaaccaaa caattctgta gactcttcca taggaaatat attcatgagg 120
ctgatgctta tagaaagttt tatcttgtga gttattaaat aaaaatgcat tcaaatttca 180
agaactgtt 189

<210> 494

<211> 157
<212> DNA
<213> Homo sapiens

<400> 494
gtttatggat atgctgcctc ttctgctaaa ctgtaaatct ttgaagacca ggagccacgt 60
cttacttatt tgtgaatttc cataacatct agtagagtgt tttccaccta attgggcgca 120
ataaatgttt attgaaaaaa taaagaaggc tatgggg 157

<210> 495
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 495
ccaagatgga gtaacagaga ccagattcat gcttctgcct gaaacaacca aaacacagac 60
agaacatatg aaacaatgtc ttcaaaacac tgaacatcag cgatggaagc aggaggcaga 120
gaaattctag gcagacaggg gcgggtcccc agtgaaacag caccttcaag tcaaagtagc 180
ctgaaacctg ctgcccaaga ccctggactc agtcagtaga ggagagaagc agcttgactg 240
gagagaagca acttgacttc agagggacag ctggacttca gaggaaagat agcttaactt 300
cagagggacg ctctgacttc agggaagatt acctgaccat cccatccccc ttttcagctt 360
ctnttttca cttggagact tcctttggtt aaataaaata atctgcctcc accatc 416

<210> 496
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 496
atgtgaaaaa ctaagacaca gagcagttaa aagatctaat gacagaactc agaatggaac 60
acaggtctcc tacttctaga ctcatgtttt tgaggagatc cgtggatcag catctctcct 120
ggtcaggacc acagaggcct tccacccgct gtgtgaagcc tcgttggatg ccagcttcaa 180
aagcaaaagg tatgtcaatg ttccataaag agaggatcgt gactctcccc ctgtgcaagt 240
ctggagctgg agagcactct ttctgtggga tgcagtcacc ctgaaatgaa actctcttta 300
ntagctttta cttgagaaga tncccatatg ccctacctac ttatngtnat gcnctcttat 360
attaaaaaaa aaagttgggg agtttaaaag gacca 395

<210> 497
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 497
agatgaagtc ttcctttgct gcccaggctg gtctggaatt ccttgcttca agcgatcctc 60
ccacctcgac ttcctaaaga actgggatta caggcacaag cctgccccac tctgcaaccc 120
ggtgtagaga ccgctacatc aaaagcacat agtaggaggg aagaaaaaac ccacagagtt 180
acaataatga aagtctggag gcaaatagag tagaagtcta cttgaatagg tatccctccg 240
taggatagtt catcacatat tagaactaga aaggtccttg aagtttatat agtggctggg 300

ctaatctgtt agattttcaa agtccaccaa gatcagttaa acaattgctg agctaaagaa 360
aagaacttac cattcattgg agtttntttg ccatcccatg cagttattgg aaataaatat 420
ttgtatgct 429

<210> 498
<211> 345
<212> DNA
<213> Homo sapiens

<400> 498
acaaggcctc tgcgaaccag gctggagtgc agggatctcg gctcaatgca acctctgcct 60
cccacgctca agcgattccc gtgcctcagc ctgcagagta gctgggatta caggctggga 120
ttaccaccac gccctgctaa tttctgcatt tttagtaaag acagggtttc atcgtgttgg 180
ccaggctggt ctcgaactcc tggcctcagg cgatctgccc gccttggcct cccaaagtgc 240
tgggattaca cgtgtgagcc actgtgcctg gcctattcct gatgactctc cttgctctga 300
agtctgtact gtctgaaatt aatatagaga ctcctgcttt ctttt 345

<210> 499
<211> 388
<212> DNA
<213> Homo sapiens

<400> 499
agagatcccc caagatgtaa aagttccagg ttccaaaaaa cctagaacca cccttaagga 60
tggaccacga ggatctgaca gccttttgca aaggctcacc agccccgacc tcagcagagg 120
aaagacgact ccatgcttgg ctagcaaggg caacggtgcc accagcttca tatgtcccac 180
ctggcagggg gctcctaaca ggggtcagag cagtactgtg acctgaagct ctccctgctg 240
cctcttcttc gtgccccttt tttacccatc acagctattt cccctaatac atcttctgca 300
tgtgcttctt ggaggacctg agatgacact gagccagact gaatttttct tttttgccat 360
aatcagaatg gattaattaa gaattaaa 388

<210> 500
<211> 310
<212> DNA
<213> Homo sapiens

<400> 500
gagaaagtca ttattcacag aagatgcatg cgaaaccgcc cttgcagaat tacgactgag 60
acgaccctgc acgtgatgca tcagctggca ccacccagat gcataaactg gctcatctga 120
tcttgtggcc cccacccagg aactgactca gcacaagaag acagctttga ctctctatga 180
tttcatctct gaccaatcag cactcctggc tcactggctt ccccacaccc accaagttat 240
ccttaaaaac tctgctccct gaatgtttgg atagaacgat ttgagtaata ataaaactca 300
ggtcttctgc 310

<210> 501
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 501
gaatcatgtt tacaaagcat tcccttggca agaggctgtc tataggatcc agatggtctg 60
accccaagtc agatgtcctt tataaccttg cttttatggt cctctgacca gcagcattaa 120
catcaccctc acctgggagc tcattaggaa tgcagaatct cgggcctcat ccctgatcca 180
ctgaattgga atctgcatct taacaagatc ctcaggcaat ctgtaagcat atgcatggtt 240
gagaagcact gctgtacaac actttgtaac aatctctctt gtccaagagc ggggacgaag 300
ctagctgtga aagctaacac aggtctcagg tgttcttctt cctgcaagtg agggtggagg 360
gtctgcattg ngggtcattt tcccgaataa ccttccttgg gatcganggc tcctgtctgc 420
caaaaagaag ccagaatgaa atgatgctgt agaaa 455

<210> 502
<211> 397
<212> DNA
<213> Homo sapiens

<400> 502
gtctccattg cttgcgatga tattaatgaa acagctgctg atcttattga agttaccttg 60
tgcatggaga tggagtccct ctctgtcacc caggcagaag tgcagtggcg cagtcttggc 120
tcagtgcaac ctctgcctcc tgggttcaac ggattctcct gcctcaccct ccttagtagc 180
tgggattaca gcccgtctaa tttttgtatt ttttagtaga gaaggggggt ttcaccatgt 240
tgaccaggct ggtcttgaac ccctgacctc aagtgaacca cctgccttgg ccttccaaag 300
tgctgggatt acaggctaga gccactgtgc ctggcctaaa tttcatacta taccgcattt 360
accctctatt taatataata cacccaatta agggttt 397

<210> 503
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 503
gtgagaaaat aaagcccaga gaggacaatc agcaaggaat ccagcacctt ggagccatgg 60
aaacccttct tggtgcctct ttaggctcct catggcagca ggggcaggag ggcacacagg 120
gtgttgtgca cctagcccca ggtggataag aacatccaga tgcacctgcc cttcactagc 180
tttgtcatgg ccctgccccc atcccagctt cagggtaaac ccctgctacc ttcagtgctc 240
agccagtagg tcacttcctc caggaagtct gccatgacca ccaggttagt tttgctctcc 300
ttgttctgtg ctcccatggc tccaaaactg caccacttct aaagatgcat tcatctttgg 360
atctgatccc tgggaaggga tngaccagca ttgtccatca ntcttgagtc cccaagcacc 420
ccacccaatg ccagcacata gtg 443

<210> 504
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G

<400> 504
acaaggtctc tgcgaaccag gctggagtgc agggatctcg gctcaatgca acctctgcct 60
cccacgctca agcgattccc gtgcctcagc ctgcagagta gctgggatta caggctggga 120
ttaccaccac gccctgctaa tttctgcatt tttagtaaag acagggtttc atcgtgttgg 180
ccaggctggt ctcgaactcc tggcctcagg cgatctgccc gccttggcct cccaaagtgc 240
tgggattaca cgtgtgagcc actgtgcctg gcctattcct gatgactctc cttgctctga 300
agtctgnact gtctgaaatt aatatagaga ctcctgcttt cttttg 346

<210> 505
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 505

acaggaatgt caaggcctct gagccgaagc taagccatca tatcccctgt gacctgcacg 60
tacacatcca gatggccggt tcctgcctca actgatgaca ttccaccaca aaagaagtga 120
aaatggcctg ctcccgcctt aactgatgac attgtcttgt gaaattcctt ctcctggctc 180
attctggctc aaaagctccc ctgctgagca ccttgtgacc cccactctgc ccaccagaga 240
acaaaccccc tttgactgta attttccttt atccacccaa atcctataaa atggccccac 300
ccttatctcc cttcgctgac tctcttttcg gactcagccc acctgcaccc aggtgaaata 360
aacagccatg gtgctcaccc aaaaaaaaaa aggccagcga ggccnattta gcttggactt 420
aaccangctg aactttgttt aaaa 444

<210> 506
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 506
gtacacatcc agattgccat ttcctgcctt aactgatgac attccaccac aaaagaagtg 60
aaaatggcct gttcctgcct taactgaaga cattgtcttg tgaaattcct tctactggct 120
catcctggct caaaagctcc cctactgagc accttgtgac ccccactctc ctgcccacca 180
gagaacaacc ccccttgac tgtaattttc ctttacctac cctaatctta taaaacagcc 240
ccaccccatc tctctttgct gactctcttt cagactcagc ctgtctgtct gcatccaggt 300
gattaaaagc tttattgctc acaaaaaaaa aaaggncngn gnggncaatt cagntnggac 360
ttaaccnggn tgaacttgnt naaaaggggg gggccaccca a 401

<210> 507
<211> 306
<212> DNA
<213> Homo sapiens

<400> 507
aatgaaggag ctggacttgg agatctctct cacctctgaa gttgtgtaag tgaagtatac 60
tgacccagtg tgaccacgct gctattcgaa gacttactca aagttttcaa acagactaac 120
catgtgggac tgtgatttag caaggaaaac agccagaata aacatgtcag tgtctccgtt 180
ttatggtggc ttcatgtgca gcattgtgac ctatacctcg gagtttttct tataccagat 240
gaagcttgtt ctatagtctt cacaaggaca taacacttgt cataagtaaa tgtttctatt 300
ctcttg 306

<210> 508
<211> 224
<212> DNA
<213> Homo sapiens

<400> 508
gatgcagctg actgcaatca actgagactg tggaatggtg gattaggaag gactacagta 60
tactgaaggg tgagggtgag gacaagagaa gggaaggtgg tggagatgat tattcaacag 120
tcaagactct gctagtacac aagacaccag aaatccggaa ggcctctccc tgccccgcca 180
aaacaggaga aaaaataaat ttctgaaaga ttttgatata tttt 224

<210> 509
<211> 318
<212> DNA
<213> Homo sapiens

<400> 509
gtggggtctt tcaagggcag ccttcgtctc tcgctgacag acagcaagaa actgagcccc 60
tcagtccaag tccacaaaga attgaatgcc gccaacaact atgcaaggat gtaaatgaac 120
tattcttcac ttgagcctcg gaagggacca taaccctgac tgataactga taatagtttt 180
gtgagatcct gaaagcagag gatactcaga ctcctcattc acagaagctg tgagagaatt 240
catgtatatt gttttatgtc tctaattttg tggtaatatt gttatacttt aatggctaat 300

aaagctacca actcaccg 318

<210> 510
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 510
aactgacagg gnncannggc tcatgcctgt aatcccagna atcccagcac tttgggaggc 60
caaggaaaga ggatcatttt gaagccggga tatggagacc aacctgggca acaaagcaag 120
acctcatctc tac 133

<210> 511
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(114)
<223> n = A,T,C or G

<400> 511
gatcacgtca gatgtttttt gnacccccna ttncagncac cagnttgaag acccctacag 60
aggntgggga ttggagacca acctgggcaa caaaagcaag acctcatctt ctac 114

<210> 512
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

<400> 512
atggagnctt gctccgttgc ccaggctggt gtgctgnggc gcaatcttgg ctcactgtaa 60
ccttcacctc ccgggttnca gctgattctc ccaccttaac ctcctgagta gctgagatta 120
caccgcngtt caccaccatg cccagctaat tttctgtatt tttagtacna aacgggtttt 180
caccatgttt ggccagactg gtctcaaact tctgacctta ggnagatcnt ggnccacctt 240
agccttccaa agtgctggga tcacagtcct tgaagccacc gcgcctggnc gacaacaggc 300
ttctttgaag aacaaggggc cttctttaaa ttttnaacaa antctcttgc ctttgttaca 360
cangagtatg gggntncaat aaattgtttg gntnggattt gaaatttgc 409

<210> 513
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 513
actgaggcct ctgagcccaa gccttcacgt atacatccgg atggcctgag gcaactgaag 60
gaccacaaaa gaagtgaaaa nggccagttc ctgccttaac tgatgacatt accttgggac 120

attcctcctc ctggataatg nctctgganc tccccaccaa acaccttgtg acccccactc 180
tgcccacaan agcacaaccc cctttaactg taattttcca ctacctaccc aaatcctata 240
aaactgcccc acccccattt ccctttgctg actctntttt cggactcaac ccacttgcac 300
ccaagngaaa taaacaagcc ttgttgctca canaaaataa aaaaaaangn caanaggngn 360
cctncnnnnt gnnaatnaan catgggtnnn gttntgtnaa aagggggggg g 411

<210> 514
<211> 165
<212> DNA
<213> Homo sapiens

<400> 514
atcaatggtt ctcagtgtga tctgcagagc agcagcagca atagcagcaa catctgttcc 60
tataggttgc actgtggagc aaatatacca ggaggtcttg atttcctttt tctccctcac 120
catccgataa taaatccaag tggaatgcta ggaattggta aaaag 165

<210> 515
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 515
caatgatgtt cagttccaat tttccaactc cccagaagat gctccactgc tccactctct 60
tgccaccatg gtcattccaa gaaacaaatc tgaccacagc acttctcccc ccacaccctt 120
cccaacacag catggactct gcaacctggt atgaggggcc tctgcttcac tccagtcagt 180
cccatggctc ccaaagtgtg gtctatggac tcctaggggt ctacaagatc cttccagagg 240
ttttacgagg tcaaaagtat ttgataaaaa tactaagaca tttcttggct gggagccatg 300
gttcatgcct gtaatctcag tgctttggga ggctgaggtg ggagggttgc ctgaggccaa 360
gagctcaaga caagcctggg caacatagaa agaccctgtc tctacaaaaa aaaaaaggcc 420
agngnggcca attcagntng nacttancca ggctgaactt g 461

<210> 516
<211> 475
<212> DNA
<213> Homo sapiens

<400> 516
gtaacccaca gcctcatcct ggggaagcga gaaatggtaa cacataactg gccaccgtcc 60
aagctcctta gaatagaagt tcatgggagg aagcatccac atgtgcactc acatcttcag 120
aacgctgcgc ctcctgcccc caaacacact gacctctgcc ttttcaaagg caaaatttga 180
tccattaatg ttccccagtg ttggtttcat aaagcgtttg gatgggccct tcttcacaaa 240
tgaataaaaa tgagtaaagt cctcagaatc aaaggaaagc caggactggc ttccagaagc 300
acgaggcaac ccagagagtc catctgcagc caaaccatgc aacagaccca gccacagctt 360
agaggctggc aacaagtctg cctgcaggat ctgccaagga accagatgct gttgcttcca 420
aagcttggca tcagggcccc tgattgccat tcaacaaaga ggaaaaatag gggat 475

<210> 517
<211> 371
<212> DNA
<213> Homo sapiens

<400> 517
gaaacaagtt ctagttggaa tgggaagctc attcaacaac caggcatcat ccgcccacca 60
ggatctcatg ctcctaaggc accggctcac tccaggagac tgagatggct gaaaatgaag 120
aacagggaaa cttggaccca gagacatact cagaggaaga acgctgtgtg aaggcggagg 180
cagaggtcaa ggggattcat ctatgagcca cagactgcca cagactgcca gccaaccctc 240
accagagcca ggagagaggc acagggcaga gtctacctca taccctcag aaggagtcaa 300
cggtgctgat accttgattt ctgaccttta ccttcagaac tgtgagacaa taaatttcta 360

ttgtgtaagc c 371

<210> 518
<211> 216
<212> DNA
<213> Homo sapiens

<400> 518
ctacagagct gcatctgaaa cactggctct agcatcccct atgagcccaa ctgcagagaa 60
gggggctgta gcccttgaag ccatgtgaaa taagacctga agtaaccgcg atgccagtgt 120
ttggccaccc ttggctgaaa taacatattt acccagcaac aaagctttcc catccatttt 180
tatttaagag agattttaaa taaaatctag taaatg 216

<210> 519
<211> 483
<212> DNA
<213> Homo sapiens

<400> 519
accagtttga agcagaagaa tgtcctgata atggcataga gccaaagcga ttccatcctc 60
tggacatgag ctgtgtggtg tccccgtcct catacctatt ccagaaccac actggtccct 120
gctctcgtct ccgaactgtc ggaggacgga cctgcttttg caaggacctg aactccctgt 180
gttgttgctt aagattttta cccaggcatg aaaaggaaat gaattctgcc aactcatcgc 240
tgtgtctgtg ggaacagaaa ctcagggcac ctattctctg caagaaaagc atcaattccc 300
tgtaagaaaa gtttcccacc tgagacaatg acacagacca acataaatgc tcttttggtt 360
ttatgatttc tgatattaga ttttacttga ttttttaat tttaattttt taaatttcgt 420
tttgagagtt aaaagtgtta cttcttttat ttccagcagt tcaaggaatt tcagagcaat 480
ctt 483

<210> 520
<211> 233
<212> DNA
<213> Homo sapiens

<400> 520
ggaaaacaca acacctcatg cagtgaagga ctgaagctcc tcttgggctg gtattcctga 60
ggcagaacac aggtccctca ccccgatgcc cacgaccact cagtaacaac atctaccacc 120
attcggaggc aagacaaact gcatgagtaa cccagcacag ccactcagat gtcacttctt 180
cctggtgaag aagcagaacc ctagattcac aaaataaaca gtcatctaca ggc 233

<210> 521
<211> 366
<212> DNA
<213> Homo sapiens

<400> 521
ggtgggggaa tggagtctca ctctgctgtc taggatggag tgcggtggtg caatcttggc 60
tcactgggac ctccgcctcc tgggttcaag cgattctcct gcctcagcct cccgagtagc 120
tgggattaca ggtgcccgcc accatgcctg gctagttttg gtatatttag tagagatgga 180
atttcaccat gttggcaaag ctgatctcga actcctgacc tctcaggtaa tctgcccgtc 240
tcagccttcc aaagtgctgg gattataggc gtgagccact gcgcccggcc tatcattgct 300
gtatttcaag tacctgttta ccttgtaggg tctgccctac caaattaaaa gctttaaagg 360
atggac 366

<210> 522
<211> 368
<212> DNA
<213> Homo sapiens

<400> 522
acaaccctct cacagagcac agagcgcttc acctatgctg ctgcccggaa tccgaagaat 60
gtggagaaac agagcctgcc tccacctctt cccagctgtg ggggaccata ataatacaac 120
ttcctcctcc ccaggcttcc cagcacccac agacaacgcg caaaacacaa tttaaggtgg 180

accgacttta caaaaggcag gcacgcctac gcgatgagca ctggatctaa gcagaaacgc 240
agagccgccc aagccaggtc catcctggcc ccgctctgca cctcatgcca tgatgtaccg 300
cacaggcctt ctgagggggt tcaaatccca tgtcaacaaa aggaaaaatt aaaggcactc 360
taatcggt 368

<210> 523
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 523
ggagcagtgc atactcttgt tgtgggatga gtgatgaaat cacaccacgg gtgcccattc 60
caggcaggtt gaattgcccc gggcctacag aaaacctgac ctcctacaag acagagacac 120
caaatgccca ccgatggaca agcagaggac caaggggttc ctggtgttca tcgtgcagga 180
aacactgcaa acagctgggg agatgggaat acttgacaac cacctttcac gtccagagat 240
gaccaactag gaactgtcct cccccatcac ccacacccca gcacagtgat tactcagcca 300
aatgcctgca gggccagcag gtaacaccca tgactgaagg tggcggggca aatattacaa 360
cagggagagg tggaacaaat ttgggctcgt atgccctaga taagaggatg accaccgccc 420
aattccaact gggaaagcag gccccgtgtt gccagacctt nagaattttt cagaaaaact 480
ggaaatt 487

<210> 524
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

<400> 524
gggctattac ctttngnccc ncnaagtgga aaaagnggna agggggggggg aaaatggtgg 60
gagccctnga naacagacca cttcaccaag agggcccaag gtgattngta aaaagaagac 120
cattncnnca ttccttcatt ctggacccat tctaccaaag cctcaagaaa gaagaagggg 180
cctgggaaac aagcttcctt ttcccttcac caagccttca agaaagggaa attcaaactn 240
ttgnccccccc attncttcat cttggggaac tttcccaatt ttcttggaac tttgggagaa 300
aaaataaaat tttcttggtt atttt 325

<210> 525
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 525
attcatagcc natgatgatt aattggagat gggatttttg aaaaccttcc tagccactta 60
gctaagggac agctttcccc taacactctc gtgattggtg tgaaaatgaa acctgctctt 120
tccagaacaa tgagaatgct acctctgccg acaacattcc catccaacta agatcaagcc 180
agattgctct tgagtcattg gttagtaacc catgggaaga ggaagagtag ctgcagttga 240
cctataaact ctgccttggc cttgtcccaa gctaatccct attacatccc acagactgtc 300
cctggagtca gaagttgtcc ccagacttgt cctaatggcc tagcacagtg ggaagttgtc 360
caagaagtca tggtcatcaa agagaccttc agagaccact taattgtaca agactttatt 420
tgncaactnc taaaantnct gagtgccatg ggacaaggca aggaagatgt anttgctggg 480

caagaaaagg gagca 495

<210> 526
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 526
gaataaagan ccttttnnac tcnctaagtg accgggattg aacccnacat caagaaattg 60
gagcnaagtt actttgtggn ttaacaaagc attaggaaat gggactctca agctctctca 120
aaaagtatca aagaagtgaa attcatcaga ccactgtgtc gagacaatga gacgccagat 180
gccagattcc ttatttgtca tgattgcttc cttagccctc cctagttcct gttttcctgc 240
tcataagtta catttcttcc ttgctatata atcccctaat ttcggctggt tgaggagatg 300
gaattgagac tgatatccca tatccttaac tgtagcatgc aattaaagcc ttctt 355

<210> 527
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

<400> 527
ccatctgcaa ccagagttga gctgtgaaac tgcagtcaga gaggagggta tggcttagtg 60
caaatgtgga agtctcagtc atacagaaga aaatgaaaag cctgttcttc ctcttcacag 120
gattgtgaga agcagggatc ttgaggtctc aaatgcccta ttggaggtca ggctctggag 180
attccaagat gaccacacaa tccctcctcc gtggaattca cagttctgag acaagacaga 240
gaccaagcag ctccaagccg gcccctctgt ttataaaacc aagttccggg ccaagtgtgg 300
tggctcacgc ccgtaatccc agcactttgg gaggccgagg tggccggatt acctgaggtc 360
acatgttcaa gatcatcctg ggcaatgtgg tgaaacccca tctctactaa aaatacaaaa 420
antaactggg cgccggggtg catgcctttt gatgccagct actcgggaag tctgaaggca 480
aggaagaatc gcnttgaacc ccgggaagtg gaaggttgca a 521

<210> 528
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 528
ngntctncta agactacaag ggaacactgc gactttccct gaggctttgg gttactggga 60
agatgaggaa ggataaatgt gaagttgtgg actgttttaa attccacctg accattctgc 120
tttcctgagc aacctaccca cgccaattta gtactggctt tcttcagagc attaggacaa 180
tgggattctg tctacagctg tgccatgaac ggactctgat tccttaggca aagaatctct 240
tcttgctaaa atagttaatt tgaaggaata acaggaatat ataaaataat gtctcaaagt 300
gttttggtca cctggtaaag aactagattt cacatgaatg caacataatc agtactatcc 360
ttagctattg atgacatatc taaatgggac attcngggca ttgtccggag catgctgaca 420
gaagcattat attttcttaa gaaaacttaa tggngccctc atttgaccac tttttancat 480
gttccaaacc ttccanacat tgggatttaa 510

<210> 529

<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 529
agaaccctga ctaatacaaa tgtggaagga ctagactggc ttagtcttca ggcctacatc 60
tttctcccgt gctggataat tcccgccctt gaacatcata ctccaagttc ttcagctctg 120
ggactcagac ctgcaaccac cgactgtagg ctgcactgtc agcttcccta cttttgaggt 180
tttgggactc agactggctt ccttgctcct cagcttgcag ctggcctttt gtgggacttc 240
accttgtgtc gtttgctgaa gcacatggct gaaacgcttt cccaaagagt tgtgccagtt 300
tctactccaa acagcattag agaggaatct ggacctgctg cctccaaagt tgcctctggt 360
tctgaaattt tatggctacg attctatcac aaaattcaca acgatgctgg aagtggttct 420
gctgtgacca aanggggagg tnaatcatcg taaccccaaa aggatgcata atggaantat 480
cataaggatt tgaaatatgt ccta 504

<210> 530
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 530
gcacaaagga agactacatt tcccagtctg attgtatcta tgtggggcta tgctaccagt 60
tctggcaaat ggactatgta ccagcagcac gatataccac ttcatgccta gcacctacaa 120
tctgcaagac agcatctgca ttctcctctc tgtctactgt aggattatca gtgtccagca 180
aaaccaggac attcaccaac atattttgtc aaatgacaca gcaagaaggc ccttaccaga 240
tgccagtcct ttggtcttgg acttcccagc ctccagaatg gatctgagtc tttgttttct 300
gctcaacaag ctgctgagca gcaatcccag ccccagggcc cagagcacct tcctctggga 360
gtccagcctc angactgtgc tctgcctgcc cctactgcac angcctcaaa accacccacc 420
tcaacttctg ggtcaagcac agtcaagaag caaggtaaga ngctgngctt cactggatga 480
actctatgaa tctgcntttt cgtttcaagc tgt 513

<210> 531
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 531
tcttccctaa aggcttgatc aattcagctt acttaatcac aaaactgtaa cgacagaata 60
tttgcaagac ctattcaaga agtcttcaca aatatgaaaa tctctctcct tcattacgtg 120
aaaaagacac ttgcacatgc atgtttatag cagcacagtt cacaattgca aaaatatgga 180
accagcctaa atgcccatca gccaacaagt ggataaagaa aatgtagtat acattcacca 240
tggaatacta ctcagccata aaaaggaata aaataatggc atgtgcagca acctggatgg 300
agttggagac cactattcta agtgaagtaa ctcaggaatg gaaacccaaa tatcatatgg 360
gagctaagct atgaggatgc aaagggataa gaacggtata atgaaccttg gggacttaaa 420
anggaaggat gggaaaggat gaaggataaa aaacttcnca ttggctncag tgtacactgn 480
tcgggtgcca ccaaatcttc a 501

<210> 532

<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 532
ggtctactgc atagaaaaca ttcaaaaata tttgtagagt aaatgagcaa gtgtcaaata 60
catgaatgaa ttgcatggca catagtactt aacaggaaag agacagaaaa gcgttgatat 120
gaagaatttc taaaatcctc atatgaaatg agtaaaatta aggataaatg acactggaaa 180
accaaaatgg cttccatatc tttccaaatg ctgctgctga tttgttcaca tagaagccta 240
ttcatcatcc tgcaagatga agttggatat ctttcaccgt ctttttgaag tcatcatcag 300
ttttcctctc ctacccccag gcatgagttt tgtatcactt acatttatgc tccacaatgg 360
gaatattgat ttggcccaaa taaagacatt caacaaattc ttaatgagtg gatcaatgga 420
agattnctgc caaccaaaat ccanggnaat ccttgagttg cacagtggan tggcattctc 480
tttggattca ttttcctaat 500

<210> 533
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 533
actttgccca ccattngaat ccctagtacc tgtaataacn gactggcttg gagttggcag 60
ccaacaaaaa tttgtcgaac ggatgaacga aatgaaggaa cgtgagaggt acacaggaac 120
cacaatcata taaggcaaaa cttgccatgt ttggagtgga gcagagcttg gaaggcccgt 180
acaaataagg gcatgtaaca cccttccaga cagcaaggat tttaaatgga ngatccctaa 240
atggccccga aagaacttca cccttggnta ggaaggcttc aaccatttcc cccaccctta 300
acctttttt aaaagganta caaaccaaat tccaaaaact tttaccaaaa ccttngnaaa 360
ttttcttaag ccttg 375

<210> 534
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 534
atcatgnaaa ctagnaggat ttcgggacca ttcaagcaaa accaccattg gaaaaaggtt 60
cgtgcaccac anatnggtgg tttttaaaac caccaaggaa attgggggtg ttggaaaatt 120
ggaaaagnaa gccaaagggg ccttttttatt ttggaaaatt ggaaggggaa aaaccaaggt 180
nggaaggcct tcccgcgggg attttaattc cgganaaaag nggggtccac cttggggatt 240
ttggcccttg gcccaccaag gggtttttt tggggaagac cttggtcttt tttcccttaa 300
gnaccaattc ccaccccggg gaatttnggg ggaagaccaa aaaaaatagn ttggnttggc 360
caatttttgg gaccaaaaac cggtttaacc tttccaaggg aaaaggaaat tttaattggg 420
tttttgcccc caacccccaa ttnaatttgg gaatttttna attccnaaag gnccnccaac 480
cccaaattgg ggccctttt aanttccccc ccctttgggt tgcccaanaa ggggaaaatt 540
gggaaatttt ttaaattttt tccccccaat ttaaaagggt ntnccccaa cccaaaagg 599

<210> 535
<211> 381

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 535
agactaccct agcattaagn tncaagnaac taggagnctn gcctngcaag accaaagncc 60
cccttgccac cattggaaag gaaagccccc attccttggt tggggttagn ggaaggaagg 120
aaggttggat ggccccaacc accaccacgn aaggaaaaaa aaggaaaaac cggaaggaag 180
gaaggaaana aggccacgga aggaaggacc acgcaaggac cagnaaggaa ggaaggccgg 240
aaggccattt tcttggaaaa gggcgccaag gccttccccc cttttctccc ccttggttgg 300
ccttttcccc aagaggttcc ccttggttgg ccttttggcc ccaaaattaa aaaaccttgg 360
ccccctttt tttttctttt c 381

<210> 536
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 536
ctgggggggg gagncttacc ctggcattta aaggtgcang gaactggnag gataatnaaa 60
tggaaaggat tcttgggnaa ccttggaaag gatagcccat tttccattac caaggcncca 120
ttcctttaaa ccccctnaaa aaaggggaaa aaaggcctnt tttggaaagg ggggcccana 180
ttggaccagg aagggattaa ccatnaagna aaagttttgg ggaaaattct tgccaaattg 240
gaaaagcctt ggggattttt taagggaagn ggcgttttac cccccacacc tnggaaaagg 300
tttaaaaggg gattttaacc ttttggggcc ttggcccatt aaggccaatt aaaaccaaaa 360
ttggaaaagg tggaccttgg aaaaaaaaat tcccaagcaa aatttttttcc aagggaatta 420
aaattcttaa ttctttaacc tttttaaaaa accaatnggt tttttaaaaa aggttaattg 480
ggtttttttt gggtgttttt ttgggccaag gnaacctttt ttttttttgg ccaatttaac 540
ccttttttaaa ttttttttcc tttaacccaa tttggggggn gttttttnaaa aaaaatttcc 600
cgggaaccct tngggttttt ttttttttt 630

<210> 537
<211> 258
<212> DNA
<213> Homo sapiens

<400> 537
agtgcctgtt cctgcctgct cggtgactga gctgatctct ctaggaatga cctgtgtgct 60
gatcaagccg acacgtctct ttgcttcccg acgtcctgat atggcagcaa agggtggtag 120
aatgaagtca ttcctgcaaa agaagctgtg agaggaaata cagatgcagt ggctgaatat 180
gaaagtgctt atgttcccaa aggaagaaaa tgctaaatct caattagagg ttggaagaaa 240
taatgacgca gtcttttt 258

<210> 538
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 538

ggacgttctt ggggggggaag cctacccttg gccatttaaa aggttcaagn aaaaccttgg 60
aaggaaattc ctttttttggt taaaaaaaaa atgggggaag ggaaaaggac cccaattccc 120
atttttcctt ccaaaccaat tttgggaaaa ccccaatttt gggggatttn cccacaattt 180
aagggaaaaa aaatttggtt tanaaaaggg ggccccacaa ggaacccccc ncgggggaat 240
tataaggggg aaaaggggga aaatttttttt tcntttcccc tttnggaccc cncgccccna 300
aaaaaggaaa cctggggagt tcnttttttcg gcctttngtt gcccaaaggn cccaancctt 360
gggggganaaa naaaaattgg ggggacccgn ttaacccttt tttttggttg ctttggaacc 420
ctttacccaa acccaatttt ttctanaagg gaaaanggga agggggtgnc cccncccttc 480
ctttttccat ttccaaattg ggtgggggggt tggggaaggg aaanattttt ccaatttggg 540
gggggggggg gggggggccct tttccngnaa aaaaaaaatt gnggaaaagg gaaaaaaggt 600
nccnttttta atttgggccc ccnctttttg ggcnccccccc caaaaaaaaa aggnaaaaaa 660
ttaaatttgg gncccnnttt tttnccnccg ggaaaaaaaaa gggnaaaaaa ggnaaatttt 720
aaannngccc ttnggggggcc tttggtttcc cccttggg 758

<210> 539
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(240)
<223> n = A,T,C or G

<400> 539
gatatgatgg gtgaaattct agaatccacc ctggaccatg aagactctgg actatactct 60
caggatggca gagcagtgag ctggaaggag tctggctcct tgagaaggat ggagccccca 120
caccacaagt cccggactgn ctgctttact attcagcctt aacaaagaag gaaatcctgc 180
cattggcaac aatgtggatg aacctggagg acactgtgct aaataaaata agccaaacac 240

<210> 540
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 540
aggttncaga aactggaagn gnctctctcn cacctncaan tggcnnggna nnncnagaag 60
ggggaaattn cannacacaa gaactctcgc tggttgggat cttcagaaat cgttctcctt 120
ggntcntcaa acgcnaggac tactatgctc gccacccatc caaatcgctt gcgcgtaaga 180
gggtaatttc ctagagcgta agctnancca ttnancattg gctacacacc acaaancgcc 240
acccggnggg gtgatanaat tttttggnca attaanattg gacttngggn aggaatgnnc 300
anctagctct tttacaatta aaaattggtt ttaggacctc caaatgggcg tgaaagtaaa 360
tatanaaaaa cgttggcctt ggggggggcat actaaaaaat ttgccctttc gcaatctcat 420
aggaagacta tcgagccccc ntntacgcaa gnaactnttn gcaaangggn caatttaaag 480
acaccaacgg cgacccaatt ttgggaaggc cccctc 516

<210> 541
<211> 271
<212> DNA
<213> Homo sapiens

<400> 541
ccaagaagcc ttaattaaca tctgttaaga actagaagat gcatcccact ctttactttt 60
tattcctaat tctcatccat aactgaaaag gttaacattt caaatgggat tacagaatag 120
tgatgtcact ttcctatatt catataccaa gtcaatgttt aaaaatagct tatgttcagg 180
agaatggcgt gaacccggga ggtggagctt gcagtgagct gagatcgcac cactgcactc 240
cagcctgggc gacagagcga gactccatct c 271

<210> 542
<211> 331
<212> DNA
<213> Homo sapiens

<400> 542
ctggtttgcc atcccccggt cagcatgaac aacagtaacc atcttgtaaa cagtggcaat 60
gtgggctatg catcttacct gcttgagcaa gagaagaaca aaggatatct acctggacag 120
gtgagaattt atatcattga aagcttcatc ttgattcact gagtgtcatc attcatgctg 180
cattcagaag aggtgattca aatctccaga ataaagtgtc atcatcaatc tcacatattg 240
gtatgctcga atagacagca tttaccatcc tccctaatgt ggaaagaaaa ataaaaaatg 300
agtactaacc atttgctttt tgtgttaaaa a 331

<210> 543
<211> 111
<212> DNA
<213> Homo sapiens

<400> 543
gaccatcttt aatcaaactg aattaactgg cctgtgcaga ctgtctttat cctctaagat 60
tcagggatac tggcctgtga gtttcagcac cgactttctg gaactgtaaa g 111

<210> 544
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 544
ccaattactt ctgactttca agactcttgt atttcactgg cttagggaaa atcaagctaa 60
gccctaagtg atggttggat catccatcca gttctttgct tcctctagct gatatccttc 120
tttgctgtac tatatgggaa aagcaagaaa tattgtgaca ccaaaaggga ggagttttgc 180
tcttgtgtgt ccagctggag tngcaatggg cngcngatac tcagnntcac ntgcaacctt 240
ctgcctccct ggggtttcaa gtgatttctc ctgccttacc ctccctgnag ttaagcctgg 300
gggaattaac aggggccacc cttgcccacc caccgccccc cgggctttaa attttttttt 360
ggcaattttt ttttaaga 378

<210> 545
<211> 110
<212> DNA
<213> Homo sapiens

<400> 545
ggccctggga gagtgggttg agagaatgga agtgaagagg aaggcttcac catcacctta 60
actaacatgt gtttcctacc gttaaataaa cattatagga ggcgcattat 110

<210> 546
<211> 70
<212> DNA
<213> Homo sapiens

<400> 546
gtatattagt tcttatatga atgacacgaa gaaacaatga aattgaagga aaggaagatg 60
aacgctaagg 70

<210> 547
<211> 181
<212> DNA
<213> Homo sapiens

<400> 547
agagcagaga aggggagaag agaagcatgc agctgaacac cggagagaag tttgactcca 60
gagggatggc ttgatggtgg gacttcagga gaagaatacc ttcctgctcc atccccttc 120
cagctcccct tcccactgag agccacttcc attggcaata aaatcctcct cagtaaccac 180
c 181

<210> 548
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 548
tcccacagcc ctgtgaccaa aagactggga gtgtatgtca ggcctctgag accaagccaa 60
gccatcgcat cccccgtgac ttgcacgtat accgcccaga tggcctgaag taactgaaga 120
atcacaaaat aagtgaatat gccctgcccc accttaactg atgacattcc accacaaaag 180
aagtgtaaat ggccagtcct tgccttagct gatgacatta tcttgtgaga gtccttttcc 240
tgggcttcat cctggctcaa aaaagcaccc ccactggagc atctttgcga nccccacttc 300
tggcccgnca ganaacaaac ccccctttg actggaaatt tc 342

<210> 549
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 549
aaaccaattt ggcccggttg gccccttac ccaaaaaaaa acccggggga aaagggttta 60
aaaaaaggga acctttaaa aaggcctttg ggaattttcc ccccaacccg ggaaaaaaag 120
gcccaaggtt ccaaaaggna attggcccaa ggggggggaa anggcaaaag gnggttgant 180
ttttggggaa gnaaaaaccc ttttaacccg caaccttggg ccccccctt ggcccaaaaa 240
aaaattaatt nggtttcccc cttcggg 267

<210> 550
<211> 331
<212> DNA
<213> Homo sapiens

<400> 550
agtttcgctc ttgttgccca ggctggagtg caatggcacc atctcggctc accacaacct 60
ccacctcccc agttcaagcg attctcctcc cttagtagag atggggtttc accatgttgg 120
acaggcttgt ctcaaactcc tgacctcatg atccgcctgc ctcggcctcc caaagtgctg 180
ggattacagg catgagccac catgccccgc ctatctagca ccttttaaaa gtctgaatgg 240
gaaacatttg ccacctattg cctctaaggg tggccaccta tgagacttca tctacattaa 300
taaaactaca tacaatttat ctacataata a 331

<210> 551
<211> 330
<212> DNA
<213> Homo sapiens

<400> 551
gaaatccctg aaaaaccaga tggcacaagt tactcagaag aaatgaaagg attttccatt 60
attcaaatag gaggtggaag aggaagtgtg ggagtaatta ctggattaag atcactgaaa 120
gacaagattg tctttaagga aacagaagac tgagaagaaa agaagcttgc tcaaggtcac 180

atagagctgg aatttaaatt cagatctatt atactcttaa ggactgtgga aggcttttag 240
agcaaaatct gatccagaga ctgtggatgc tggaggagcc gtcaaggctg gggaaagtaa 300
acatgcactt gtgttcgcaa tcaacagaaa 330

<210> 552
<211> 330
<212> DNA
<213> Homo sapiens

<400> 552
tggttttgcc gttgttactg ctcacctggt ttgattcagt ggcgtcgcgg ttggtctctg 60
ctacagtcca ttactcacag tgccagcaca tgtttcctta aaaagcttca tcaccatcct 120
cctgcaatgc gaccttcacc ggctccccgt tgcctgccca ggaggataaa gtccaagttc 180
tcctgtggaa agaagaccct tcacacgcta gtcccagcct gtcttcagcc cagcccgctg 240
tgtttccttt cctgccttat cctaagacat ccttaccttt caatcacact cacttttccg 300
aagcattttt gaaggtattg agggagttct 330

<210> 553
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 553
cttaaataag tggatctctg gataagcggc ctgactgatg agagaaagag ctggcttttc 60
ttccgacaat agttgttgtg acctctttgc ggcaagaaca gtgatagaac agacattatc 120
atcaggagaa tcagctcgta aaagccacnt tcttggcaca tcaaaggaaa acctggactt 180
tgaattctct gtgtgatccc aagtaccaga acagccgccc agcaggggct ctggaaatgt 240
gccctgaaag aactcagaca acaggagacc ctccttcagc ttncagggct tgctggccat 300
ttgcacacag aagggagcag ccttgtggtt tcaaaggg 338

<210> 554
<211> 237
<212> DNA
<213> Homo sapiens

<400> 554
gaagctgtca aaaatgtttg aaagtcactg cacaaaagaa gagtcaccac tggtcagttt 60
tgcagtactg gctaaagcat tcagatgccc caagagtcaa aaacacaata acgaaatagt 120
gagactccga ctcaaacaac aacaacaaca acaactctca tctttttgcc tataaggaat 180
tattcttggc ctctgttgta caacttcaag taaaaggacc taacctactt agaaggg 237

<210> 555
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 555
tcagctacgg tgaagctatc taaaccggtg gctctatgga cccagcagga tgtctgcaag 60
tggttgaaga aacattgtcc gaatcagtat cagatctaca gtgagtcatt caaacagcat 120
gacataactg ggcgagccct gctgagactt actgacaaaa agctcgagcg aatggggatt 180
gcccaggaga acctccggca gcacatctta caacaggtgc tccagctgaa ggtgcgagaa 240
gaagtcagaa atctacagtt actcacacaa gcattattct gaggggttct tccattaaac 300
accggntagc cnttccaagc tgcttgtcct g 331

<210> 556
<211> 218
<212> DNA
<213> Homo sapiens

<400> 556
ctccgcccag ggagatggag acagagggcc aaagagcagg agatccgctg gacactcgcc 60
gaagagcggg agatcgctgg acactcgccg ttggcatcat gtggggtgct ccatggcttc 120
caattggcca aattcttttc agtgttaaaa tgctgtaaaa tataaaacgt atgtaatttc 180
ttgacaaaaa ataatactat ttcaggtttg actctttt 218

<210> 557
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 557
gccaaagaac anggaggaag actgagaaag aacgtgaagg ccatctcttt cccacaggcc 60
cttcgcagga ggctccggac tgctccccgc actgcgagat gcctctgtga gccgaggagc 120
tgtaaaacac gcagcgggcg gcacatggga tgccggatgc caagctgtgt gcatgggaca 180
gactgagcaa cccaaaggag cctgctgtcc catcaagcac gtggcagtcg gggcatccca 240
tggacaatgg aaccgtgcat tgtgagtcca tgtgatgaac cagcgcatcg ggagccacnt 300
gggtccttcc cttcacccgt catcagtcag 330

<210> 558
<211> 172
<212> DNA
<213> Homo sapiens

<400> 558
gtggcctcag acagaatgac aggcaccagt cccggacagg acacgcacaa cacaaaagct 60
atgggaggta gaatcaaaag taccagagcc caagagccgt ggaagatggc tctccgattg 120
ccttcagaca agcaccctta cctgaatgct tgcagaataa acagactgcc tg 172

<210> 559
<211> 336
<212> DNA
<213> Homo sapiens

<400> 559
aggagaatac aacgtttgag atggatgagt aatctgctga agatcactga atgaatgtgc 60
aaggaaacca taacataaat ccatgtctct ttctactact caatttttc ctgttactaa 120
tatcattttt aaaaataata tttatggggt tacaatttat gtttaataag ctttacccat 180
tttaccacgt tatgacccaa caagaaagcc ttcaccagat gcggccactt gatgttgaac 240
ttcccagcct ctagaaccac aaggtcagca taatattttt caaactcatg catgctcctg 300
catatatcaa tagcctcatt tggtttttat tgcatg 336

<210> 560
<211> 332
<212> DNA
<213> Homo sapiens

<400> 560
ccaacttcag gactgattga tcatgacttc tataaaggag caggcagcaa ttagcaggct 60
cttaagtttt ttacaggagt gggacaacgc tggcaaagtc gcaaggagtc acatcctcga 120
caagttcatt gaaaccaacc aaggcaagac tgcccctgaa ctggagcagg agttttccca 180
gggagccagt ttgttcctgg tacgcttgac cacctcgctt agaatcactg acttacacct 240
atggtcccag ctgcttggga ggctgaggag ggaggatcac ttgggccttg gagtttgaag 300

cttgcagtga gctatgatca caccgctgtg ta 332

<210> 561
<211> 62
<212> DNA
<213> Homo sapiens

<400> 561
aaatcatgcc caagttcaaa caacgaagac ggaagctaaa agccaaagcc gaaagattat 60
tc 62

<210> 562
<211> 332
<212> DNA
<213> Homo sapiens

<400> 562
accagctaga ggtttatcaa ttttgggacg tgcctccatc tcatctcctc agactcggtg 60
tttcaacaat ggctttgctc ctcagtcacc tctctctgga aggatccctc aatggatgag 120
tacacctgcc tctggatggc acatgaagcg tgggggcaga atcaatccac attgctgtct 180
gaatgtagta ccactgctag aagcaggtca atcaacaacc aggcctacag gaggagggag 240
gaagaagaga ggctgctcta tgtcctcctt ttgccccttc ccacacacag taagatgaag 300
atctctttcc ttgcacccct cagtctcctt tg 332

<210> 563
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 563
gaggcagctc tcctccagtg cggccttgga aggagatcct acggctgcca ccaggcgcat 60
cgcattccct cctctccatn cttgatgcca gagtcttccc gggtgtgatc tgcttatcac 120
ncgtcccctc tgaggacagc tctgaagacc agcttccttg acttgcactg tgagaccagt 180
ggctggtctg tttccgttga gtnggggngc cctctttgac tngaccacan tttccttggg 240
cccatttctt tttccccttc ccccttttgaa gaaagtctac ttggncctnn ggggggcagg 300
gggggtta 308

<210> 564
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G

<400> 564
agccagcccc acctcccagc ctcctcggca atcagcgtgg ccgtgcgcct gagttctagc 60
caatgggaga aagtgaagga ctccagagcc cctggagatg gaggatggag gagcctgggt 120
tcttgnatcc tcacatggaa tgccagccac aaattggcat ttggactcct atatggacaa 180
ggaataaatt taaatcctat taaggctggg tgcagtggct catggctgta atcctactgc 240
ccttagaaga ccaaaagcag ggaagatcac ttgaggccca ggagtttcaa aaaccaagcc 300
ttggaccaac attaagtgag accccgtctc tacctaaata aataaataaa tcta 354

<210> 565
<211> 350
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G

<400> 565
ctccaggact ctacctctca tcaaggctga ccacgaagca agatgatgga agccaagaga 60
gctcctctgc atgctccact gtctaagctc tgctctgcat ctgccgtgat tcttcttcca 120
aacagaaaac accgtctttc tttttgacta catctgtcct cagagatggt gctgatggat 180
ccatttataa tttatgtgaa tttaaacctt tgcaattttt acatggaata aaaggaccta 240
ttttntggaa agaaaatgct gaacaagagc tganaacctg ggggccatct taangcaggg 300
ggttccttcc ttacacccct gctgtcanaa agccanctgg ttggccattt 350

<210> 566
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(193)
<223> n = A,T,C or G

<400> 566
taccacttcc gctgtcacgg taaagtccgc catcagcaag actgaaggag ttgaaagacc 60
attnanacgc tcctttactc tttnagacat aagtgtntcn attgntaatn aanttntttt 120
tccaggcccc nccccgngtt cattnttgca aaatggactg ngcctcngac ntcctcnnaa 180
aatgttcaac ctt 193

<210> 567
<211> 310
<212> DNA
<213> Homo sapiens

<400> 567
tttttcgctg tcttcccacc tactggttat gtctgattca gttccagcga ccttgaagtt 60
ggaaggaaag cctctgccct tcagacttct tcatccctga gttgagtttc atggaaaagc 120
agcctctggg agtaacaagt acagatgcag tttcaccatg ttagccagga tggtcttgat 180
ctcctgacct tgtgatccac ctgcctcggc ctcccagagt tctgagatga caggtgtgag 240
ccactgcacc tggccaataa ttttatttttt aaacatgtaa gattctatct ctgaataatt 300
agttaaacct 310

<210> 568
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 568
gatatatggg acacctgcac cggcattgga tttggccccg caacatctta aagtgccaaa 60
acactatctc caaggcaaat ggattcccca ggcagatgag aagatcacat tactcatgtt 120
caaaatatta ccccagttgc acaagtattg tggaattttg tgcattngnn ggnagacaac 180
tggttcttta tcttcttcca atgtcaaaag taaatttggt gattataact ttggcaatat 240
attttaagca gaattagtat attatgtaac atgttttatg aacatncctt attaaaattt 300
tgggttatgg actcctt 317

<210> 569

<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 569
gctgaaacct gcanaggccc cacttagtga atatttccaa gaaggagacc tgcagtcccc 60
cacagaactt caccattggg ctatgcatag tgctgcttta ttggtaaaac aggaagatcc 120
aatttacacc taaccctatt tcatgtttgg ccaacaatgt atccatggaa ggacccttca 180
tgtgagattc caactgcatt ctaaacactc agaggacatt ctgcatgccc tggggtgtaa 240
gcactgccat gagatgtaaa tcccttgtga agaacagcaa gtaggcagct tnaccttggg 300
cttcaccacc ttcatgaaga ctcctctgac caacgcct 338

<210> 570
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 570
tatccgcact atgaaagttc ntgaaccaac cgactacttt agnaggaaac aaatggncat 60
tgatgtcctt caccccgggg taaggcggac agtgcctaag acaagaaaat ttccggggaa 120
anaactngcc caaaaatngt tacaaaggac ccaccacccg gtatgntcat cttttgtatt 180
ttggggattt canaaannnc attttttttgg ntgnggggggg gcnaaagnac aaaacnttgg 240
gctttttttgg gcnantgaat tttttattgg aatttccccc ntggggattt tatttgccca 300
naaaaggaaa aaaaaattgg aaancccccc aanaaaccat tntgaanctt ttggccaaag 360
aaanaattng ggcccntngt tttttgngat ggaaanggna aaaaaaaggg acccccttncc 420
aatgtaaaaa aaggcccaan ccccgaaaaa ggggggaacc cgcc 464

<210> 571
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 571
tctccctctg ttgcccaggc tggagtgtag tggcgtgatc tcggctcaat acaacctccg 60
cctcctgggt tcaagcgatt atcctgcctc agccgcccca gtatctggga ttacagcagg 120
tacctgctac ttctcatgct tcattgtaag aacaagatct gggtccagct caacaaatac 180
ttgaacaaag aatgaagtaa gcagaccagt gtaaagagaa tgcctcatac aaagttcaga 240
ggcccaggag atagaagctg gtaaaaccat tcaccaagaa gccaagccgt ggaaaaaaag 300
gangggtgcc ccaccaggga aatgactgca tgcaaacaga gcttggttat agtggggc 358

<210> 572
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(348)

<223> n = A,T,C or G

<400> 572
ggccncctgt anaaggaatg aaaaaacaca caccancccc ttttaggcac ctcgnaaaat 60
gactaacatc caaaggcata gaaattgaca gcnaatacnc aataaaacag gaactcccag 120
atcgaatgcc cacgtggaaa agtcatngag agagaaactg actcaaagca tccgctgtgt 180
tccggggcca tttgngnggg caggatgggg gttaccgagg agtgttntgg ggccatgagc 240
acgggcgngc gggtgatcct cacctcccaa ctggggtgcc ttcaaaaact ttagtaaacc 300
tccctgtgac tncgcttcct cgngaacacn gtggntgcgg gaggattc 348

<210> 573
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 573
ttcttcgtag actctggaat ggagctggaa gctgtcatcc tcagcacact aacgcaggaa 60
cagaaaacca agcactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120
ggacatatga aggggaacaa cacactctgg ggcctgtgag gtgcagggag agcatcaaga 180
agaacagctg gtgggtgctg ggcttaatac ctgggtgatg ggttgatctt gtgcggcaaa 240
ccaccatggc acacatttac ctatgtaacn aaccttgaca tcctgcacat tgtaccccng 300
gactttaaaa ataaaagttg gncaaaaaga aaaccttaac ttacttttaa aaaaaaaggt 360

<210> 574
<211> 314
<212> DNA
<213> Homo sapiens

<400> 574
ggtgagaacc actacaggac aaaaatgagc tccttttttc cagtctcagc ccaggaggga 60
tcttcacaga gaaagcaagc ccagcccatc cccacagctg gctccctggt gcccattctg 120
aaaggctgga cccatcctga cctgtccctg ccccaaggac tgcctggtga gggatggctt 180
accaacactg tgactcagtc cttccaacat gcccaacagg tcaattctgg gatattcctt 240
acaggaatta atgagagcac attgccggta atgttggcat taataaaata acatttaaat 300
ttaaaaattc cttt 314

<210> 575
<211> 363
<212> DNA
<213> Homo sapiens

<400> 575
ctccccatta tggctccgca accaggtggc gctaaagaga gaccctggaa ggatgcggga 60
ggaagcggag acctgctgtg tgcttgctgt ggccctaagc ttggcagttg gaccctcagt 120
cggccccagt ctcccgctgt gtgtcacccc gtacttccag aaccagcctc atcttgcccc 180
tcagaggtac ctgctccagc ctggtgacac tccctccgaa caagttctaa tctcaccctc 240
ccatttgacc cccaagcccc aggggtacag gcttcctgat accttaaggg cctccctttc 300
tgcctttctg gtttttggta accagcaaac agttatttct attaaattct ctccatcatt 360
gtg 363

<210> 576
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(278)
<223> n = A,T,C or G

<400> 576
gcttgatgca gggcagcagg gcgatcttgg aagctccata ttgaagatgg tggagccaca 60
gtttgaaagg agtctgggtt ggaggagagc tacaggcgga tcaggaacac ccatcttgga 120
tttgacctga gtgaaaaata aactgcaatc attatgttaa aacacttgca tatttggggg 180
gatttttgt ttatcttgtg aaaatgcnca ttaacctcta ttgtcataat aaaaatcctt 240
aaagttggtg ctaaaaataa acgcaatttt gaaaattc 278

<210> 577
<211> 85
<212> DNA
<213> Homo sapiens

<400> 577
aaacaccaac cattgaggtt gagaccattt ccagaggaag aagcatgggg ccatcattta 60
ttaaaattta tgaaatgttt tgcgt 85

<210> 578
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 578
ttcttcatct gctgactatg aaacgattct agattgtttg ccaactaaat gtgatgcttt 60
cccaatcaac tacggcaggc cagatggcac tttcacttct acgggctccc tctgtggtgg 120
gtaaacgtgc agagaagact ggaacactgt cttccaggag cctaggttac actgatccca 180
gcacagcact tcctaccaag taaagatcaa ttttaaaaat gaatgaagtc aactgaaaaa 240
gctcccaatg gccaaagctg gaacaatttg agcaaagaat aaaggtatgn tnggnttnta 300
ncccagaaga caaaataaat 320

<210> 579
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = A,T,C or G

<400> 579
aatagaggaa agccttcctt ccggaaaaga gccccctttcc ttcttggngc cncaagccng 60
ngaacaactt ccctaatnct ngcccatccc cttcaagcca atngcttaat ccaacttcaa 120
agccttttct tcccaacaaa acaattcccc cttngcttca aagccaaaac ttaactgggg 180
tttttngtgg ggggccaaca accaagaaaa gngtggcccc caaaagcccc ccctngttgg 240
cggaagnaaa aaaggggttc cttgggccaa gccccaaaag ttggcctttt ttggaccaat 300
tggccccaag tnggttcccc cttggggaat ggggggaagg aataaccccc aaacccacca 360
aattcccaac ccccccaagn gggaaggggt tgggggtaac caaaatttaa ccaaaaccct 420
tgggggggaa ggaaccttgg gggggggaat tggaaacccc ggggtttttc ctttcccctt 480
ttttccccng ggnaaaggcc ntttttccc cngggnaaaa nttgggggc caatttgggt 540
tnggggggcn ttttttttc ccccttgggn gggggaangg gggaaaaaaa cccttggggg 600
gggggggaaa aagnaaaaaa ccccccaang gggggggggg aaggaggatt gg 652

<210> 580
<211> 314
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(314)
<223> n = A,T,C or G

<400> 580
ggcaaggctg tgctttaatc atcttcgtaa cccaagtgct gatcagcgaa ccaaatacac 60
acagaaatac cttgcgccct ggttgctttt ctgtgctaga atcactccag acttcaatca 120
tcagcctgct acaagccact cccaagcctg ggacttaatc gccagcagaa agcacgtcca 180
cacgtcctct gttacctcct ctagatgcta aggaatgtga ctccaagaag attcaaatag 240
caggatccta cagcgttctg ccatcatctt attcaacaaa agtcttttgg tttnacaaan 300
acccattcat attt 314

<210> 581
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 581
actgagaaac cgangctcaa aaaggctgag gaatttgcct aagatcacac agagaaacgg 60
gaagctgttg gggccatgct gttggggcca gagcctacgt atgcactgcc tccagtgtgc 120
atggggagaa agcaacccac atcgactgct gcaatgagac agctgctttt cctgtgtttg 180
ggcaccgaat catctcatca gccccactgt gcaagttttc tcctctccat ctcaaagatg 240
tgggcaccga gcctcccatg gaataagtaa tttccctggg gtcacacaac ttanctaagn 300
ggcagcccct nggatccaaa ttgtaaag 328

<210> 582
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G

<400> 582
ggtaaaacac cctcaaggat gggcactgca caagactgta acaacaagga acgtggcttt 60
gcatcctccc agcaacaaag tctaccacgg atcccacccc actctgattt cggctcagcc 120
gagaacttga aataacgggc ccactgcctc tgctccacga ggatccatgc catcatggca 180
ctttgggagg cctgtcacga gttacacagg cctaggctgc ccacacccca gctcagcaga 240
aaaagagaac tgcaatccaa gtcagacaga tcctgcctgg gcntttccgc aaaaagcctg 300
gagagtctga ccagcaaaga aaca 324

<210> 583
<211> 238
<212> DNA
<213> Homo sapiens

<400> 583
gttctgtttt aaaattcttc cagtgtccag ttgccaatgg gattaaaagg aaaacgatga 60
ggaaaaagtt atctgaggtc aatctgcaat ggaatatgtt cctttcctgc ctgcttagat 120
gtcttctgat agtcacgaat tgatttgtag tcatacttct gtaatatcta tatgcatgtg 180
aagcactgtc tgatgttaaa atataaacat catctatagt aataaactga gacactgc 238

<210> 584

<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 584
gaactagaga gtggtgtaca caatccctag cagtactgac cctgcttgtt ggacttaacc 60
ctgaagtcac aggtaatgtt atttaggaaa agtatctctg caatacacat actcttttag 120
tacaggtagt aggagctagt taggcttaga gcagtcctac ctcttagcca tcagtacacc 180
aaccaagaac catctttacc ataggaagag gaaagaaaga gccaagagng naagcctagt 240
ctagagtcta gagtaggatt aatntaccaa gccatagggg attttattcc tagtagccac 300
caagttttcc tccaaaaagg aaatccaagt ttagngtngn ggaaaaggaa atttcaaatt 360
ttgnggctta ttttgcccca tttggtaaat tccaaccacc ttttttcccc aattttaatt 420
ctccaat 427

<210> 585
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 585
gtgggatgcc tccatgagct ccaacaggca gcctcgccgg cctcccagct ctgctcagtt 60
gctcagcacc ccatggagaa ggtgaagccc ataatgaaca cactgccctg gccacttact 120
tcctccaacc aaagaagccc tcatctcccg ggcctagacc atttccggag accagcttgt 180
gacagagcca caacctccgg tcactctgtc agctatctgc agttcctcct ttttcctttc 240
ctctctcccc tcataaacaa tgactgttga tgtttccact agctacagat gctgatgcca 300
agattagctt tggtcaagat gatattctcc atcctccaaa acaatgacca aaatgtttta 360
ttttatggct aggaacttta ctttctttca tatgaaatat ttaatgnatt tttcactgng 420
ctcatttttg ntttgngngg ggataggtaa tagcaaaac 459

<210> 586
<211> 433
<212> DNA
<213> Homo sapiens

<400> 586
gagatgggga aacgaatcca gaggttaatg atatgtccac cataactcaa ctatcaagat 60
cctcaagtca gtgctctttc cttcatgtcc tcaggagttc tccagggaca ctgtaaagat 120
gagaaggagg ttgcacggtc tgaatgtttg tgtccttcca aaattcacat gttaacactg 180
aatcctcaat gtgatagtgt taagaggtgg ggccgctggg aagggattag atcatgagga 240
cagagcccta atgactggga ttagtaccct tataaatgag gccccagaga gctgtccctt 300
ccaccatgtg aggattcagt gagaaggtgc tgctgatgaa ccagaaagca ggccctcatc 360
agagaaagga tttgccagca ccctgatctt ggactttcca gcctccagaa ccatagtaaa 420
tatacttctg ttg 433

<210> 587
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

<400> 587
ggtctctctn tgttgcccag gctggagtgc agtggtgcga tcatggctca ctacagcctc 60
gacctcctgg ttcaagtgat tctcccgcct cagcctccca agtagctggg acttcaggca 120
cacaccacca tgcctggcta atttctgcat tttttataga tacagggttt tgccgtgttg 180
cagactgatc tcaactcctg aactcaagcg atcctcttgc ctcagcctcc caaaccgctg 240
ggattacagg catgaaccac tgagcccagc tgcctttcac acttctactg tgcattagaa 300
tcacccaaag agcttgttaa gacagattcc caggctgcaa tcttggaggc ctactggctt 360
agtagctctg ggctgaggcc tgagaatatg cattcctaag aaacctcagg tgaggctgat 420
gctgctgtgt gtggactgct angctangac angggtttnt tttttcctaa aaaangggtt 480
aaatttttg accncaantt tnttataggg tatttttaaa aggga 525

<210> 588
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 588
atgtaattaa ggatcttgag atgagatcat cctggatgac ccaggtgggc cctaaatcca 60
atgagaagtg cccctataag agaaagacga ggagaagaca cagacgcaga gaaggcgacg 120
tgaaaatgga ggtggacatt gaagtgacgc agtcacaaac caaggaatac ctggagccac 180
tggaagctga aagatgcaag gaaggattct ctccttgagc ctttggagag aatccggctc 240
tgccgacacc ttgatatcgg gctgctggct tccaaaacat gagagcatat atttctgttg 300
ttttcagccc ccaagtttgt agggattggt tacagctgcc ccaggaacat aatacatgat 360
tgaagaccag cttttaatgt acaaacccta gtacaaggca ctgcaaacct cagagatctt 420
cacacaaaaa ngnnatttta accnctttaa aaggnnaaaa atctttttc ccncccntnn 480
aaagggnttn ncccnaggnc cttgaggggt tataatataa gagg 524

<210> 589
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(551)
<223> n = A,T,C or G

<400> 589
atgcctggtc atcctcaacc tggtggacac gccttcattc actggagaag cagcagcagg 60
gcttgcttcg agtccaggga agcaagaaaa cagatctgat ccccctgtgg agtgtggagt 120
aggggcactg cccttgatgg tgggagtgaa accaacttgt ttgcagataa gattgccgag 180
acaattccaa tggggaaaag aagtctttcc aaacatgctg ctgggacaac tggatctcta 240
catgcaaaag aatgaacttg aactactatt tcacactata ttaaaacaat tatcaattat 300
tttgtgactg aaggcaatta agaagcagca aatggaaaaa gctctcgctg tcttcccctt 360
ttctgcctca aggnaggata taaattctcg tttactggac acaactctag actctattca 420
ccccnagaaa gcaccncaaa aatatnttna cnaacgcttt tnttttttt tccccccca 480
ataangtttt tcccccantg gtttcccccc nnaaaggaaa agggcttcct ttggccnngc 540
attttttta a 551

<210> 590
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 590
gtgaaattca tcttagcttn tgggattggc tcctactcaa catgcaagca ctaatcctct 60
aacatgcaga gacagagtct cactctgttg ccaggctgga gtgcaataat gccatctcga 120
ctcgccgcaa cctccacctc ccgggttcca gtggttttcc tgcatcancc tcccaagtag 180
ctgggactac aggcacgtgc caccacgccc agctaatttt tgtattttta ggggggacag 240
agtttcacca tgttggccaa gatggtcttg atctcttgac cttgngatcc gcccacctca 300
gcttcccaaa gngntgggat tacaggcatg agccactgcg cccagcccat acataagaat 360
tttaagtcnc nncatgcctc cnttantnaa aaaaccttnt taggaaaaga gaatcagatt 420
ttttcgttgg agtgcttaca atggatgaat ccttttagca tcattatctc attttaattt 480
gcaagccaat ttttaagaaa 500

<210> 591
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 591
gaagtcagag attggaagca ccattgtttg cttcaggatg gagggggctt cctgacaagg 60
actgtggggg acctctagga gctgagagca gcccccacct gagaaccagc aagaaaatag 120
agaataagcc tggaagcaac ttttccccca aagcctccag acaagacctc agcctgacca 180
acgccttgac ttcagcttgg tgatatcctg ggcagagaac tgagccatgg cttgtcatgc 240
cagcattctg acctacacaa ctgtgagcca gtaaacaggt gaaccagtgc ttgattagct 300
acgtttcctg tttctgcatt ggtgatcatg gaaacaaatg ctgagaagga gcctctgctg 360
cctgggtacc gtgaatgacc acggtgaaca agagggctca gtaaggaacc ctgcngactg 420
ggtttaacta ctgtagnggg ggnngacaat cttnttttt aaaaangggg gacntttggg 480
gaaaaaaaan tttccccntt gggggntgga aaaaaaaccc acccag 526

<210> 592
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

<400> 592
tgttggcatg aatgaaatat aggatgactc atccaatgag aatttgaatg ctggcgtaaa 60
accatagaga aaatccaggt tcaataaaaa ggctaataat tcacagaaat atcctgggat 120
caaagagaag accctgtggc ctcattggac attagtaggt gccttggaag aagcagaggc 180
aggagacaca aaggacttca agtgattgga acaagaactg tagaagacat acctaagcac 240
aggagagggg aaagagagcg ttcaattgct tttgaaatga gtatttaaaa accagcctca 300
ctcagggtgg ccccttgcag tcctctgctg agtcaactct ctgcttggca gcctcttgtc 360
catagctgac tcagggcaga aaggtgattg attgccttaa gagccttccc ctgacctctc 420
actcggntnt tctttcttcc cccaccttnt ttcanaagnc ccctntaaaa cccaagggtt 480
tttccaaaag gccttttttc ntttgcaaaa acaaaaccag t 521

<210> 593
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 593
ggagaagacg ggggtgaatg aaggcccgag aatctccagg gaagctctgc tctccacctn 60
tgcctgtccc cagacccggt gtggaatcag tgctcccagg ttcttctggt taatacaaca 120
gagcaaatcc ctgaaggctg ccgctaaaag gcagaaacca ttactttcca actatctgat 180
acggnttggc tgtgtcccca tccaaatctc atcttgaatt gtaactcccg tgattcccac 240
ccccacccca aaatctggcc attaaactgg ccccaaaact ggccataaaa aaaactctct 300
gcagcactgt gacatgttca tgatggcatg acgcccatgc tggaaggttg tgggtgtacc 360
ggaatgaggg caaggaacac caagcccacc ca 392

<210> 594
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 594
gtttttcaga cttcctgaca tggcaactgg cttcaaagag agcggaaatg gaagttgcca 60
gcgttcttaa gacgttgatg tttttcaagt tcattttgaa attcccttct ctttctttat 120
tcaagaagat caacacacag ctaatcatca ccacaaagag tactgcaatc aatataagaa 180
tacctaccct ccctggtaca agccaaggct ggcttcccag gaatcctcan ggtttgccag 240
cctttgtgcc tgtgccccac ttccctcttg aggtgtggtc ttggactgaa agggcgtgac 300
ctctttggat ccactttgga aatcctccag cttcttgcaa ttggttttat taaaanacca 360
ttntgcnttc ttgggnaaaa tttaatggcc ttctcttntt tgaactttgg aaattctttn 420
attgaaaaaa aaaaataaaa ancccnnggg ttttttgggg 460

<210> 595
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 595
gatctatacc tggaaataca tatacctagg aataactgct cagtcacatg ttaacaagcc 60
ttttccacct tcttggacat ctctgaccaa gccgtcttac caggcttacc atgatgaata 120
agcaaaggca tcacagaaag ggaaaattaa cagttccatc ttcaaggggc atgtgtgtgt 180
gtgagtgccc atgcagatac acatgtgcta caagatgaag tagaagaata attctcacat 240
gaaggcaaat cagggatgaa aagaagctac ctctacacaa caaggtgaaa atctaagggc 300
ctcgagtaat gtgccccctc ccaaagcatt attattctaa gggcagaact gaactattag 360
gattacattt tcaatccaaa atttgnaatt aaatgnaatg ggnattttaa aaaatgaatt 420
aangggcccg gaaaangggt nggtttcaca aaacattaaa tcactt 466

<210> 596
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 596
gaaaggagaa ctacttggat tccttgagtg tctgaagttc atcatgccac atttcccagt 60
gtaaattttt ttgaggaggt gtctccatgc ttggcatgaa aaccagggga ggaaaataca 120
agatgcccta ctgtgnacag tgaagtgggg ttttggaaga tgtgctccag agaacggcgt 180

ctgggccccc acaatctccc catgttgcac agactctctc tgactcctgt gatctggccc 240
tggctgtcct ggaatactac cctctactcc aacagaattt ttaattgttc cacagtgtat 300
ttatgtacat tgttatctga gcctctgagt aaagcaaaac aggcatg 347

<210> 597
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 597
gtgctgcctg tggttggagg caaaatcctg gatttcctca atggcttgga gttggagggc 60
tgttcctgtg gttgtgattt naacccaagt gctagtagaa ttgagcactt agtttcctgg 120
ttatgttatc aaaccgaaat tcggattggc ctccctaggt ccctatattt gacaatggcc 180
acactgtgct gccaggaaca gacactggaa atatcagtgc ctcctttcac tctccaatcc 240
actagcatac aagctccatg gggccagggg tttttatctg ttttgttcac tgctgtgtct 300
tcaagtgtct ataacattgc ctgacatcgt aaatgctcaa taaatctttc atgactgaat 360
gactcc 366

<210> 598
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 598
ttgaatacaa ggatgtggtc aactatactg ttcttaccgt tgaaaaagag gtgctgaggc 60
caggcatggt ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttgtggtca agagttcaag accagattgg gcgacatgat gaaaccccgt ctctactaca 180
aatacgaaaa ttagccattg tggtggcaca cgcctgtaat cccagctact caggaggctg 240
atgtgggaga actgaaccct ggaggtggag attgcagtga gccaagatgg cgctactgtg 300
ctccagcctg ggcaacaaag caacactatg ttttaaataa ataaataagt gctgagatct 360
caagaaaata caatgcctag cttcagaata ccatatatta tatattcata tggntataaa 420
ngnatcccnc cntggtttnt ntgcttaaan gaanngactt tcnttttata gtgatgccag 480
gcnctgctct aagaatttta tgtatcctaa cttattaaat ctcctca 527

<210> 599
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

<400> 599
aaaattctgg ttctcaatga caccagcatc attactgatt tgctttctac tcacacacaa 60
atagcctcca aataagaatg ccaacactat caccaaaaag gaaaaattat cttcgtttcc 120
ccaaggcctg cagctttgat aagaaggcag gagtttttgg aggagagcgt cgtgttcgtc 180
tgtctgtaga ccctgagaca ctgatttaca gcaagactca cggtgacaag aatataaaca 240
tctcttcaat tcatttgatg aggaagaaaa gctttgataa agaaacttga caagaacttt 300
acaaggaaga aaaattacca acaatttctc ctatcaatgt agatgaaaaa ttctaaacaa 360
aatgtgagca aaatgaattt cattttatgt taatagggat tatccttntg atgaaatcca 420
ggtttttta canttnncng anatngggtt ggnttttttc aaaattcatt gaantttgnt 480

ncctttgta gagcacctaa atttttaaaa aacccccng tttccaccca acttgggaaa 540
agct 544

<210> 600
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 600
agtcttgctc tgacgtnagg ctggagtgca gtggcgcgat cttggctcac cgcaacattc 60
tgactccctg gttcaagtag attctcctgc ctnagccccc cgagtaagct gggattacag 120
tcatgcgcca ccacgcccag ttaattttta gtagagacag cgtttcacca cgttggccag 180
gacagtctcn atcncctgac ctcatgatnc acccacctca gtctcccaaa gngctgggat 240
tacaggcgtt agccacgtgc ccaagcctaa agntttctaa tatatgccaa aggaaaagtn 300
cnaaaactaa tcactnttaa agacaatacn cgatnatatt ttcatgntta taatantacc 360
tttataatct acaatngttt ttntggaaaa atttgg 396

<210> 601
<211> 373
<212> DNA
<213> Homo sapiens

<400> 601
ctgtgtagta ttcaatttta tggatgtacc ataatttact tatccagtcc cctgttaatg 60
gacatttgga ttgtttatga tattctgctc tcgcaagact tcagtgaaca tccctgaata 120
tggatggcca tttcaagcat gggcgagttt ataccaagga gttgaattgc tgcgtctgag 180
ggcatgtgct tttggagatg atacagactg ccctccacag acagggaacc aattttcact 240
cccggcaata atgtctagaa cgtgagccat tcgtgtgatg accgaggtta ctgtatattt 300
gagcattcaa tgtatgctgg cactgtgcat cccctcgtta tgaccctgga aatcaaaatt 360
aaaatcccac ttt 373

<210> 602
<211> 352
<212> DNA
<213> Homo sapiens

<400> 602
gttttccact ctgcttcaag cctcttccag atgcaggagt ctaacagagt ccacataaac 60
aagaaaccaa aacaaaacgg cacaaggtcg aaagctttcc ccttgtgata caaccacttt 120
atgtgcagag aggcgctcac atgatgctgc caacatgtgt tttctgtctc agatttccct 180
tgataacaaa ggacatattt tagaaggcgt ggccctaggt gcatttggcc agcaggaatc 240
cgagtggagt ttggggattt catttgggtt taggctgatc ccctcgggtg cccagtgcta 300
cagcccttga tgatgttaaa ccccaattaa taaagttgtt aggaacactt tg 352

<210> 603
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 603
gtctgtttcc tggttaccca aattccaggc actggcccca ggcccaccac aacgcatccc 60
tcaaagtctc tttggcagag gaaaagcatt tctccttgct gcggcaagtc agagccagaa 120
tctcgggttc tcctgctcca aagcccccac tacaccctca ttcgcgtgtg attcatgcgt 180

ttaggtggtt ctgctcagcg tcgtttttg agttgggggg cggtgagtaa gcacaatnta 240
agtttccttc atttctcttc tccttgtttg agctaaggaa ttactttctt gtaccaaaca 300
ttacaccctt ggaaaacact ccagatggtt ctcattaaaa ttccaattcc tt 352

<210> 604
<211> 184
<212> DNA
<213> Homo sapiens

<400> 604
gggtttgagt gcctgcactt ggtgctgggc acggctgagc catcccagac gccaaggagt 60
ttacagtcta gtccagtcag tgacgaggtt aaaacgaatt ctcgcatcat tgctactgcg 120
aatgcaccgg gacaggatca gcccttcaaa ttctcccacg tggtccctgc aggtcttctc 180
caag 184

<210> 605
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 605
gcaacagaaa caatctttgt ccaaccagca aaagagggat ttggagaaag aaaatgaagc 60
agcttatgga acagaagaat gcagatgtga cggttgatag accagctgct atattggact 120
atgaagacaa gggtcacccc tctggatcgg acagtgtgga gttagaagaa gcctcagctc 180
cctgaggatt ttgtggagta catccatacc agcccataca ggctgactgc agacattaat 240
tttatgtcat gcccctggaa gctgagccca gttcaaatgg ctgctatctt tctatctact 300
gtgtagagaa tactggaggg acaagagtga aaatagggat aatctctatt tcatacataa 360
gaacccttga ancctgaaaa agttaaatga agtncattag gattgggggt aaaagtactg 420
gctttaaagt taagtaaacc ttgtctc 447

<210> 606
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 606
gaaactcctg cccgaacttg ggtgaaaggc accggaagat gccttcgggg aaaatggcgg 60
cgctgctacc gcaccgcctt tgcctggaac acaggcagct tccagctatc gattttattg 120
accggagcgc catgccggct tcctaacctc tttgccctca agtgtaatgg cgctgcgatt 180
gggcttcacg ccgtcttttt tcccctcccc aatacgcgcg ttcattggac gagagccgaa 240
gatcgagcgt tctgattggg tgctagcaaa ggcggtccgt ttgaacgaag ccaagagctg 300
cataagggca ggaagctgga ctgctaggat caggcgacta caaggagttg tgaagcgact 360
tgcaccgacc tgggggcagc aagaggcccc ggggctgctt tccgctgttc gactctggca 420
ggctcagcca atcacttgaa ggagggaacc gatttgagcg atggagccac tctggccgag 480
ttagagctga gattatcctg agttcctttt actggtgttc tcagagcatc cttgactttg 540
gagaatgggt atcttctttg tttgccttta ngggagggaa ttatggttag cattttctgg 600
gggcangcgc catgcccagc atattacata tttcat 636

<210> 607
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 607
gtggggtctt tcaactttta gcccaagatg atggaagttt ccaagaacca acagaaatat 60
ctggaaaccc attttcagac atgtcctgaa cactgaatta taactaaaac aaaacctttg 120
tgatttcaag gtcatggaaa cagtggaact gaccccactc tgtccagctc caaaggccat 180
gctcttttca ggacatgcct tcactagatg atctcttcag ccccctcccg actctgattt 240
tgagtcctct ggaattgtct cggatgttca aggcttacct cactctcata agctcagcct 300
gttttttgtt tatcgtagcg tggcctttct ttacattcca actgcagacc tggttgtcat 360
tctccctgtg acatagcatt tgatgtccac tgggttctag ttatgtctat ataagtacaa 420
acagncccat ttctttttt ccgatccatc tcccttatct taataaaaag gtg 473

<210> 608
<211> 176
<212> DNA
<213> Homo sapiens

<400> 608
acacccatga ggtataaaca ctgttgtcag aggaaacagt ggaaatgagg aggctgccct 60
tgtcttagag aacctatcag gaaatgcttt cctgaataga aagtatcctt atccattgtt 120
cagcgtccaa tttccccttt gttccctgtt taataacaat agcaaacctt aatttc 176

<210> 609
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 609
gttttatgat accacaaaga gatcatcttt gttctcctca cctcaagaac agatgggtag 60
caggggtggt ggctccatga ctcactacct cctcacgccc gcaaagactg tctaagcagc 120
aggcaaactt ctgggatcaa tagggttcat ggcaacgcag tgtctgccag caaaccttgg 180
aggaggccat tagtcaactg gtgacctgcc accctgacca ctgcagccct ctgatgcaga 240
ttctcagaaa ggttagctgg tgctgggaaa cttaaaaggt catggntatc tcggagtcaa 300
aactccacag aaccagagtg aagagtactg cagaggagct acaaagtcag aggtaagggc 360
cacattggag gccaaagtca ccacctgata gctgtgtgac caagaanagc taagcagaag 420
aactgcgatg tgtcacatgc aatagaanan ggccaaccac tgggaatggc tgcctttcaa 480
gaacactgaa ataaatgacc tctaaatgga tgacaataat ggcatgaggt cagatgtcca 540
actgagatcc agaagcaggt cccaagtcaa taactttc 578

<210> 610
<211> 494
<212> DNA
<213> Homo sapiens

<400> 610
gctggagtgc agtggcgcaa tctcggctca ccgcaagctc cgcctcaccg caagctccgc 60
ctcaccgcaa gctccgcctc cctgcaagct ccgcctcacc gcaagctccg cctcccgggt 120
tcacgccatt ctgctgcctc agcttcccgg atagctggga ctacaggtgc ccgccaccac 180
gcccggctaa cttttgtatt tttagtagag acgaggtttc accttgttag ccaggaaggt 240
cttgatttcc tgacctcgtg atccgcctgc ctcggcctcc caaagtgctg ggataaaggc 300
aaatgtttta accaaaagga gtaactctgt aagggttcca tgtgagacac tgtggtatct 360
tgtaggtgga aaaaacttta cgatatgaga agaataagct gcgaattctt cttcttttca 420
cattaccaaa gatacatggt ttctctctta ttttaataag tcttatttta ataataaaat 480
tgtaattgca agcc 494

<210> 611
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 611
ggcaaaatct ttttcccttg aagactggaa atattatcca tgttgtcctc cggaatattt 60
tcaatgactt gtgccctgcc agctctagct tttgaagggt ctacactcat catcaacaga 120
ttctgggggt tcatgcacag atttcttacc tgggtatatt gtgtgatgct gagctttgga 180
gttcaactga tttcatcacc cagcaaccag cccaggaagc cagcccatta tccagaggaa 240
ccaaccaagg aagccagcct gctctctaga agctagactt gtaggaagcc agaccactgt 300
ctctagcaac tgatccagga agacagaaaa gaacacctca ataacaggac caaagtggcc 360
aggacttgac tggatgaagt aactgacagc ttccctaatt tttggnccta cttccaacag 420
aagaacaacc agagaaagcc aagtatg 447

<210> 612
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 612
atggagtctt cctctgtcat ccaggctgga ttgcagtggc aggatctcgg cttactacaa 60
cctccgcctc ccgagttcga gtgattctcc tgcctcagtc tctggagtag ctgggaatac 120
aggcacccac cttcgtgccc agctaatttt ttgtttgtat ttttgtagag accgggtttc 180
accatgttgg ccactctggt cttgaactcc tgacctcagg tgatccgccc acctctgcct 240
cccaaagtgc tgggatgaca ggcttcagcc accgtgccca gccaagatca agttgttgtt 300
ggcagggctg cactccctgc aaaggctgta ggagacaacc catctttgct tcttccagct 360
tctaggggct tccgcagcat gccttggcgt gccttggctt gtggctgcat tactccaatc 420
tctggctgta tggcaaatta cctcctcctg gtccatctat ctccctgtgt gtcacttata 480
aggacagtta tcattggatt taatgccctc ctggatgacc cangatgatc tcatctcaag 540
atccttaact taaagtacac cacaaaagtc ccttttgcca aatgaaataa cactcaccat 600
ttccgangat aaagacttgg atacatcttt tgggangnca ccattcaaca cactacacta 660
ataaatat 668

<210> 613
<211> 270
<212> DNA
<213> Homo sapiens

<400> 613
gcaagaatga tcatgctatt atattcaccg agtctaaaag ttattgcaaa cgaaaggata 60
gcctcaccat cattcccaga gatactactc agcaaaacag cccttactga gaatgagaat 120
caacccctgg aaatctccaa aaggacagac tcctaaagct gccaacaggg attcaccaag 180
aacatcactg cagatctctg cagtcggttt catcaaatat tcaacaaagc acggctttca 240
aaatcaaata aaaaagcttt ggttacagct 270

<210> 614
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(193)
<223> n = A,T,C or G

<400> 614
gcaatggatg ctgcttctcc tcaagaaaca gcacatgcac agaaacaaaa catcccagag 60
gtttcactcc ctcaggacca gcnnagacca cagactaaaa ttntaacctg gacnaaaaga 120
ggattcacca atgcaatttt tgagaactaa agtcttnaaa aattaaattt tacagaagac 180
tacagagcat ctt 193

<210> 615
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 615
tctgggggct cctgcattaa gtcaanaact gaagggctgc tggggcgaaa aacaaagggn 60
ggactctnaa ctttttggct tggaaagggg gaaccctcgg ggctggggna ccaaagcttg 120
cngganttng tttgacctga ggcncaggga tggggcttng ggctcccaaa agttcttcct 180
ggctgggaat cattggctgg ccaaggctct gcgtcccatc cctggtccct cttccctgca 240
ngctcctcgg acttgctttc ttctcctgac gctgtcaagc tgtactccaa aaatgttctt 300
gctggcaaaa gttggcgatt aagctcttgg atgcaaaaga aaccgtcctc tgcatgctcc 360
cgcccttctt ccaaacgtcg tccctttcca gaagaaactc gaggaaccct caagtgctca 420
agaagaagct ccggtgacga aggcactgag cccgatccca ctgtcctcaa gacttcaaga 480
agggggggaaa acgaaagcat tcttcgtcac cggggaatca ctggctttgt ttccaaaatt 540
attttggccg gtttcacctt ttactgggac tctgtaaaaa ataaaaagat gtgaattgg 599

<210> 616
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(660)
<223> n = A,T,C or G

<400> 616
gctgccagga agcatgctgg ggaggcctca ngaaacttac aatcatggtg gaagatgaag 60
aggaagcaag cacgtcttac catggcagag aagggagaga gcacgaagga ggaagcacta 120
cacatttga aacaaccaga tgtcggataa acagaaacca acacttttga aagacttgct 180
ctgctgccga tatccaccag cctcctgata cccaccctcc attctgcagt tttaacacag 240
caccagacca gcattccttt ttgataagag accactggcc atgggatggt tctgttcagt 300
ctgcagagct gcacacagag ggtcntcgtg cccctgcttc acctttgac gtatagggcc 360
taactgtaac acatttaaag gtttctccct ctccatcaca aagggaacat gggacgtgtg 420
taacatacat gctggcttac tatgcatgtg cccatctccc tcttgtgaat attcatagct 480
cctcctatag cctgctgaat aggtacactt aacccacccc ttcagcacaa attcctgtct 540
cgtaacctcc tcctaaaagg attgcttttc tgttcaactg gangctccac tttctggttg 600
aaggcgnggn acccttcttt taaaaaaaaa ccctncnttc tnaaattata gaatttggga 660

<210> 617
<211> 394
<212> DNA
<213> Homo sapiens

<400> 617
tgttccaagc ttcacatcaa ttcctgacaa gggtgacagc cagagggcag acagtcacag 60
accatagcct ctgactgctg gagctcactg aggtaccgct cagcctgctt ggttgcatcc 120

tccgcatggc gagtcagctc tgagatctga aggtcagcat gcttacgctc ggcctcacat 180
gtgtcaaagt gattctggat ctccttaagt cgatccaaca tctgcagttg ctgtttttcc 240
ccattctcca gttcacgtgt taaattctac gaataaagca tgcaaaacat caggaacaaa 300
tccttgtcaa aattggatgt gtagcatatc atcaaacaag aatctctaat gtcactgaag 360
tggaaatcat ctgtattaaa attcattagc aatc 394

<210> 618
<211> 312
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

<400> 618
antganattn angggggnaa aantttgnnt nagggcttaa gtgacaatga ccctaatatt 60
tctgagtact atccangggg attcacacag ngngnagctt caccttcctt tcacngtgac 120
agccttcaaa attgtctnct ttcccaaatt cctacaagca acacccacaa ctcccgtggc 180
atgaaaaaaa atgggagcag nggtgcacat ctgtaagtnc cagcctactc acgaanttga 240
ggccnggagg atttctggtg cccanaagtt canttgaagg nctgcctgcc aatatangaa 300
gactctatcc tc 312

<210> 619
<211> 405
<212> DNA
<213> Homo sapiens

<400> 619
atggagacgg tgtctcccgt cagggcaaag acttggtgct tttggttgca tataccttat 60
aaaagatttg ggtttccaaa gatcagaatt ctttgactgt gaaacaaact cactgtgtgt 120
ccagcatcca cctgagtttt ctctgcacca ctccaatgtg actgaggagt caaaggaaac 180
tggtgtgaac atgaagctca tgctacctgc tgtgccatga gtagcaaagt tctttgtgtc 240
tgatcctgga gtcctgtgtc ttctgcagaa tctgtgaaat tgtagccagc taacctgtta 300
gcttgtaaga tgataaaatc tcagatcctt cacaattctc tatgatatgg tgatttactt 360
cttgactaca gagatgaaaa atataagaaa ttgtgactaa cactg 405

<210> 620
<211> 324
<212> DNA
<213> Homo sapiens

<400> 620
atggagtctc gctctgtccc caggctggag tgcagtggcc cgatctcggc tcacagcaac 60
ctctgcctcc cgggttcaag agacgctcct gcctgtgcct tctgagtagc tggaattaca 120
gcttgttgca gttcttacaa cttattattg agcccttaag tctatcttgt ctggacatgt 180
agcagaaaac aactttacga cttactaaag tatgaggaag acggcgtctc actttgtggc 240
ccaggctgga gtattatgta tataataata ttatacatta ttccactttg accttagtca 300
atgaagagcg agattaggag tgtc 324

<210> 621
<211> 312
<212> DNA
<213> Homo sapiens

<400> 621
gaacaagctg gcaccacctc agaaacacac aggaagacag cgggggccta tctgccacgt 60
agcaggagcc tgcagagaaa gaaattgacg ggaggagcag gcggcctccc atccggcctg 120
gctgactcat tatttgcttt tctgatttca catctattca tggtgggaaa tggagaaaaa 180
cgattacact ccaaagagga aaatgaagcc cccggagtcc tcctgagata gccactgaaa 240
acatcttggc tcactccctt gcacctccta tgcatacatg ttttcttttt cagaaattaa 300
agaatcatat tg 312

<210> 622
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(543)
<223> n = A,T,C or G

<400> 622
gacctgtgaa tatgttatct tacatggcca aaacgacgtt gcaggtgtgc tgaaagtcac 60
aagtcttgag atgggaaaat tgtcctgcat catcctgatg gattacatct aatcccatcg 120
gtccttaaaa gagaagaatc tttcccaggg agaaagatat aatatgagaa ggacttgacc 180
ctgtgtgtct ggcttcgaag gtggagaaat gtagtcataa gccaatcaac gcagctgtct 240
ctagaagcgg aaactacctt cagtacagaa ccagcaggaa aacagaaacc ttggtcctat 300
agctgcaaag aacagagctc tactaaccac agcagagagc aaagaacaat tgccttagag 360
cttccagaaa caatgcagca gatcaccaat ttccttttag tctggccagt tgtgtataaa 420
ccttctgacc tatagtatag acctgtgaga taataaatat gtgctgnttt ataccactaa 480
aaaaaaaagg ccagccgagg ccaattcagc ttggacttaa ccaggctgaa cttgctcaaa 540
agg 543

<210> 623
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

<400> 623
tttgggaccc attttccccc anaggngggn cccattgggg gggaaacncc cngggtccaa 60
nttccccnaa angggccgan gggaaaatcc aacccctncg gtttnttncc ccaaaaaggg 120
gacctttnaa agggggcccc ccanaaaact tgggggggaaa atgggggggg ggaaaaaaan 180
taaacggttt ttttgaaaac caaatnggga aggagggnga nccaattttt atnttttntt 240
gaaaaatggg gaaggccctt cttaaacngg gctttnantt nggggaacaa cngggnnggg 300
gatcaatggc ctggnnaanc cccggggatt ggttcnggat tcccttnaac caagagaanc 360
ntgnccttt ttgaacaagc nccgttggca cctttgccct tacagtaaaa cctcccccaa 420
gtggtgcccc ttcccaagaa tcattaaaat ggggaagncc tgaaggaanc caaaaaccca 480
aggnaatggc ncttggggna aactcccctg gnggaggggg gatcttnttg gacccctngg 540
aatcaacttt nttttttaaa aanggnccng gccnnaaagg gggggtttgc acaaaaangc 600
ccttgaaaaa agnggtccca aaatcaacct ggntttaaaa aatttcanaa aaaattacca 660
tcttggcatt ttttgaactt tttttgaaaa 690

<210> 624
<211> 404
<212> DNA
<213> Homo sapiens

<400> 624
gtctctctag cagtctgaca ccttcaataa gagacagtca catctattct ttctgaagac 60
aactacctgg aggattcatc tacgtgacaa gaaccttggc ttccacaaca acccccttac 120
cttatctcaa gctgatttca actcttcagg cagagcttaa ccctttcaac caattgccaa 180
tcaggaaatc tttgaatcca cccatgactt gtaagttccc ccacttgcag ttgcccaacc 240
tttctgcact gaaccaatgc atatctcaca tattgatatg tcttatgtct ccctaaaaca 300
cataaaacca agctgtaacc caactacctt gggcatgtgt gctcaaggct gtggtcatgg 360
atcatgatcc ttaatctttg caaaataaac ttttaaattc attg 404

<210> 625
<211> 369
<212> DNA

<213> Homo sapiens

<400> 625
gctaattcct caaaacacta ctttcacctc attgctcctt tgctcaaaag cctacttggt 60
gcatagcaca gcatccaaca cagagaagga acacagctgg actctatttc ctagccttcc 120
tttgcaggag gatgtggcca gtgaaatgtg ggcagaaagt atgtgcacca cttccaggta 180
tggttgacag aaacctgctg ccttacataa tcattcgtct tctttcctct tctgctgtga 240
ctttagaagt ggtgaagatg gcacagccac aagatggaaa aagacaaaac tgcttgagag 300
attcacccac taggaacacc tattttgaac ttgacataat caaaaaataa cttcagttgg 360
ttttaaggc 369

<210> 626
<211> 371
<212> DNA
<213> Homo sapiens

<400> 626
gacctccgct gacctgagca cttcctgcat gaaaggggct caataccaag gaagaaaaca 60
gatacatgca ccctttctaa gcagcaaaac tgggttcaaa tcctcggcta catcacttat 120
gtgagatgaa gtcccactat attgccaagg ctggacttga atccctaagc tcaagtagtg 180
ttcccacctc accctcccaa gtaactgaga ctacaggtgc acaccactgt accagcataa 240
ttgcatatct tatcaatcaa tccacagcca ctaaatacct actgaggtat ctgtgtcccc 300
tgggcttttt ccaagagctt tcaatatggt tagatttgtt tattaaattt gcataaatat 360
gtgatatgag t 371

<210> 627
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 627
ttctaaacct acagtgatat ggaagagtaa tctgccaata gtacagaaac aaatgagaag 60
tgttccgtcc tgaagtcaaa aagttcaggg agcttcagcc ctggtgggtg aagggagaga 120
tttggagact tctttcctat gtgatgtcct ctccgtggat tggtttgtga agctgacggc 180
catgacccca gaggggaagc tgttagagaa acgctgtcgc ccatttgtta accagacacg 240
tccactccag tgttctccac agctactcca tgaggcggac agcagcagcc ccactttgct 300
gacgggaaac ctgccacacg gtccccagca gggaaggggc tgggctggga ctcagaccca 360
gagagcgact gtctggtgga tccaaagtca ggagttgctc gtctaccttg agtccaaaaa 420
ggtcgagaca agcagtccca gaagtggcaa gagaaagttt gggaaggcag aaaaaacact 480
cctgangtga ctggtcacct gctcactcca aaaatgttac ctttanggtt aagcttttaa 540
taaaccaagc taataaaatc t 561

<210> 628
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 628
gctggagtgc agtggtgcga tcgcagctca ctgcagcctt gnctcctgg actcaagtga 60
tcctcccacc tcagcctccc aagtagctga gacaacagat gtgtgctatg aagaccagct 120
aatttttctt ttcatttttt gtagagatgg gggtctcctt atgttgccca ggctggtctc 180
aaactcctgg cctcaagcaa tcctcccatc tctgcctccc aaagtgctgg gattacaggc 240
atgagccacc atgcccagca gagggaaatt tatttagaga gaaaagagga cattcacttg 300

gtgttcttca acagctaacc cagatgacca aaaccctctt tcagaagccc ttaacatatc 360
ctgcaacagc aaaaaaaagg tgtttatac 389

<210> 629
<211> 204
<212> DNA
<213> Homo sapiens

<400> 629
attttgagct tcttgcaagc agaaaaaata tcagaatcat ctgcctcaca agtgtctggc 60
acagtgcttg tcacataaag atggcccaca aaacttcaat gacagaagag ggaaaggaaa 120
gaagtctgac agatatctaa ctatatccaa gaaagacatg aaaattcatt gatttataaa 180
tttgcatata aaatgtaaag aaag 204

<210> 630
<211> 173
<212> DNA
<213> Homo sapiens

<400> 630
gtgcaaggag ccgcacatcc gcacaagtgc tgagaccctg cccaggacaa gcttggccgc 60
agtattccct ttggcacccc cacccacctg gaacaaagcc tgatgtaaag tctgggtgcg 120
actcagaccg gcctgggaaa gaatttattt aataaatggt ggaaagtggc ttc 173

<210> 631
<211> 359
<212> DNA
<213> Homo sapiens

<400> 631
caacaacagg gtgcctggca caaggagata ctcagtaaaa ctctcatctg ctgtgtcatt 60
aaggggaaca cttaatggct cacgcctgta atcccagcac tttgggaggc cgaggcggaa 120
ggatcacctg agcccaggag ttggagacca gcctgggcaa cagattgaga ccctgtctca 180
acaaagaaga agaagaagaa aaaggccagg cgccgtggct aatgtctgta atcccagcac 240
tttgggaggc caagaaggga gaactgcttg aggccaggag ttcgagacca gcctggtcaa 300
catagcgaga cacccccccc atctcaaaaa taaataaatc aaaataaaaa ataaagagg 359

<210> 632
<211> 312
<212> DNA
<213> Homo sapiens

<400> 632
atggtgcaac tgacctgcag agaagctaat taacttgccc aaagttatgg agctaaggaa 60
tggctttaga aagcaaaaga aaaatttttt attaagaaat gaaaagaaaa aagacgcagt 120
atggactcag actgataaac catttgcatg agagaactat caccatttga aaaagagctt 180
ttttgcaagg tgtggtggct aactcctgta accctggcaa ctcgaaaggc tgaggcagga 240
ggatcacttg gggccaggag gtggagacca gctggcaatc agcaagatcc tgtctctaaa 300
taaagaacca at 312

<210> 633
<211> 378
<212> DNA
<213> Homo sapiens

<400> 633
tcctctagtt ccaccaaaga tgaaatcaca agcagggacc aacctacctg caaaataagc 60
ttcagtccca ctatacttga ccggattacc cacacaaagt gcagcaagaa tcactgtcaa 120
tataagatct cctaaagtgg ctttgctgga acctctcaca aagaatctca gacttaacct 180
ccaatagcct cttgagccaa gccaaagatg catctgcact tgcagatacc tacatggatt 240
tggaaaatcc ctctcttcat gaggcctcag aacaacttga agttcatggg cctgtcagaa 300
agtggcactc taggccagcg cagtggctca cacctgaaat cccagcactt tgggagactg 360
aggcgggcgg atcacctg 378

<210> 634
<211> 379
<212> DNA
<213> Homo sapiens

<400> 634
gtcaccagtt tcaaagattt gtacatcctg gtgtcacggg tgaaaagcct attggtgggc 60
aagcacataa ggcacgtggg atggccaggg gcctccagca caggaaggcc ccgagtgaaa 120
gcctagcaga gttaagcgac tgtacgacat gctgaaaggg atcagtgatt tctcctgcag 180
ccagttccaa cctgctgaaa ggaacactga gaaaatatat ggactcagta aacctgagct 240
gcctccaatg gcctcactca ctccaaccct caactttgca atgctggaat gctgagatta 300
tcgtccacaa ggagcagaag ctttcataga ggaacccatc gacgtggctc ctgccaaagt 360
cctcaacagg gcttcgaaa 379

<210> 635
<211> 376
<212> DNA
<213> Homo sapiens

<400> 635
ggaggatgct gtgacccctc aatggatatg ctaatcatca catcagaagc acaactagct 60
tcaaatggaa accagattgc acttggtcac tgacgaagca ggagattaaa caagctacac 120
tgtgtctctg ggagaacaaa aagccaaaag gcacatttat cacctctgaa tcacaatgga 180
gtctcactct gtcacccagg ctgcagtgca gtggtgccat ctgggctcac tgcaacctcc 240
gcctcccggg ttcaagcgat tctcccacct caacctcccc agtagctggg attacaggcg 300
tgcgccacca cgcccggcta atttttgtat tttagtagag acggggtttc accatgttgg 360
ccaggatggt ttctaa 376

<210> 636
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(193)
<223> n = A,T,C or G

<400> 636
ggnngcnngt ccnaancnaa aatagtgagg aaangttggc tccttctaga ggctgngagg 60
aaaggatctg ttccanacct ctctccttta ctttgtggat ggccgccttg cccctgtgtc 120
ctcacctaat cttccctctg tacgtgtgtc caaatttcct ctttttataa agatgccact 180
catattagat ttg 193

<210> 637
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 637
gaggaagnng nagaccactn acagtgggga ggaatccatc ttccatnntg ngangatncn 60
atagcctgcc atnngcaaca tncatggntg ganctnnaag acnttannct gagtgaaaca 120
agccagacac agaagcacaa atattgcatg atcccacttt tataaggaat ctgaaatatt 180
caaagtggta gaaccaaaga gtggaaaggt ggtttccaga atagttgctg gagaagggag 240
aaatggggag gagtgattca aaaggtacaa agtgtttata tgcaagatga ataaattctg 300
gacaaaagag ggcctctagt taacaataat gttttattat acctaacatt ttgctaagaa 360
aatagaactt acgttaaatg ttcttaccac aaaagtaaaa aaaattttag aaatttaaaa 420
ataattgtag tgagccaaga tcgtgccatt gccttcaacc tgggtgacat a 471

<210> 638
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G

<400> 638
anggnagnna ggntggaaac aactgtgact atnctaccnt ngctganacc cgtggaggat 60
ggatgaacat ctcttggatg gatgggactg aaactgaacc ttgaaagata atgctgagcc 120
tggataagtg ccccaccgtc cctctgccca aattcaaatc cttcatggcc cagtgcaaac 180
aacttctcaa aagccccaaa catctttgtc taacaggaag cttttagctt ttttactgtt 240
ttgacattca tttcccactt agtattatgc ttacttgtgt attaaccttg tcacccctac 300
tagactataa aattcttaaa aacagg 326

<210> 639
<211> 289
<212> DNA
<213> Homo sapiens

<400> 639
agacgaggtc ttgccacatt gctcaggctg gtcttgaact cctggactca agcaattctt 60
ccactgtagc ctcctgaggt ggcaggatta cagcataagc caccatgcct ggcctcagtc 120
acactttgga aaagaagact atggatctac atgttcattt tgtggtcgaa ttataaccaa 180
cacgccactc tatctgcctc cactctgctt tttccatgcc tgtacttaaa tgcttctcag 240
aatttttaat gtacctccct gccttttgcc atagatttta tactcactg 289

<210> 640
<211> 254
<212> DNA
<213> Homo sapiens

<400> 640
tctgataggt ggaagaagac aactctcaga taagacttaa gactttggac ttgacactgg 60
aatgagttca cagagtgaga gctggtggtt taagaaagcc tggcatctcc cttgatccct 120
ttctcttcat gtgatatgcc ctgttgcctt ctgccatgac tggaagcttc cagtggcctc 180
gccaagaaca gatgccagaa ctatgcttcc tgtacagcct gtagaaccat gccaaataaa 240
cctcttcata aatg 254

<210> 641
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 641
ggancgnagg atgcgtgatc acagctcact gnagcttcaa tccccggctc cagtgattct 60
cccacctcag cccccgagta gccttttgag caggttcagt ctggttaagt ccaanctgaa 120
ttgggccaat tgttttgatt tttaccctgg atgaaatact catatccatc atnntttatt 180
aacccccat ntnttacaca tntggcngca agtactggga ttcaggcaag agccaccgcg 240
tctagccaat tatacaattt ttaaaataaa ttgaaatggt cgttg 285

<210> 642
<211> 290
<212> DNA
<213> Homo sapiens

<400> 642
aggattggca acgtaattca caaggcccag tggaaaatga aaatgcagga ctccttgcta 60
aaaataatta tgaagaattt caagatagca gagcattaaa tcactcacat agctccattg 120
cgtgaggggc tctgtgcaac tgtatgggtc acatgcccat gaaatggccc tgctgctaca 180
agagacaaga aagatcacct ctcctgtatc agttcccata ttaatcaccc cattttgacc 240
attctacaaa tgttaactgt tatgcttgtt attaaaaatt catcaagtgc 290

<210> 643
<211> 331
<212> DNA
<213> Homo sapiens

<400> 643
ttactatgag aggtgtgtta aaatctctct ctgaaagaaa gaaagaaaga agaaaagaaa 60
gaaaagaaaa ggaaagaaaa gaagaagaaa gaaagaagac aacccgtgaa gcttgctgca 120
tcagtggact cttcctttca caaaacattt ttctgtagta tgctatgctg tttgacagca 180
ttttactcac agtagaactg ctttcaaaat tggagtcagt cctctcaggc cttgccaata 240
ctttctcaac taagtttatg tagtattgta attcctttgt tgtcatttaa acaatgttca 300
tagcatcttc gccaggaata gattccatct c 331

<210> 644
<211> 401
<212> DNA
<213> Homo sapiens

<400> 644
gtaagcgatg ccagggcagg ctcaggcatt ctagaagaga ggaagaaaag aaggcaacag 60
gaactaggag agagaaggac gtggacagga ggaggtgttt gactagaagt gcgtccaacc 120
aggccgggca cagtggctta cgcctgtaat cccagcactt tgagaggccg aggcgggagg 180
atcacctgag gtcaggagtt cgggaccagc ctggccaaca tggtgaaacc ccgtctacta 240
aaaatacaaa aattagctgg gcgtggtggt gcacgcctgt agtcccagct actcgggagg 300
ctgaagcacg agaatcgctt gaacctggga ggcgcaggtt gcagtgagcg aagatcgcgc 360
cattgcattg cagcctgggt gacagagcga gactctgtct c 401

<210> 645
<211> 132
<212> DNA
<213> Homo sapiens

<400> 645
gtaaagatca accatcaaga tcaaagatcc ccagaatggc aaatacatac gtgtatgggc 60
tcaaagttgg aagacattcc tctaccatct acttattctg gttatacatt aaagcatagg 120
agggcatagc tg 132

<210> 646
<211> 125
<212> DNA
<213> Homo sapiens

<400> 646
atcaccatct ttgacaagct atacctacta aaagatgtga agcagacacc tacattccat 60
gactcaactg taaagagaac acaaagctcc agtcatagga gaaagaataa aataaaactg 120
ctatt 125

<210> 647
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 647
gggcattcag ataagccatc atatcccctg tggacctggc acgtacacat ccagatggcc 60
ggttcctgcc ttaactgatg acatttcacc acaaaagaaa gtgaaaatgg cctgttcctg 120
ccttaactga tgacatggtc ttgtgaaatt ccttctcctg gctcatcctg gctcaaaagc 180
tcccctactg agcaccctgt gacccccact ctgcccgcca gagaacaacc ccccttgac 240
tggaattttn ctttacctac ccnaatncta tnaaacgggc ccacccctat 290

<210> 648
<211> 166
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G

<400> 648
gggtcttgcc aagttgccca agctgggctt gaacttcctg gacttcaagt ggatccaccc 60
acctcagcct cccaaagtgc tggggattat anggtgtgag ctgctccgcc cagcccagaa 120
gcaaacctta tattcagtct cattggatta aattctatcc ctccgc 166

<210> 649
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 649
aacatcaaat agcaaatgaa tagcatcata agaaagtcna ganaaagacc ntgggagaaa 60
gaaaaaactt ttaccacgct tttttcatga tctttgaaca aggagctcta aattatcatt 120
ttgcactggc tctgtcccag ctcatgtttg ttgagtgaat aaataaataa ataaatgcat 180
acatacatat ttattagtac atggaacaca ctgattatct tccatttcct aacaacactg 240
tatgtaatca ggattgcagg catgttatga aatactagaa tagctgaata ttaaaattat 300
tctggaatca tgtatgctta ttgttggggt tatttgtgac gtctccaaag tcatcacagt 360
tttctcagca tcaatgtcct catctcaccc cagtcctagt tctagtctta agtggaatag 420
attgnatcag actaatcctc tgacagacaa caacggncaa ctgtggatga aattttaaaa 480
caactattta aaaatgccag agagcaaaca aaagcagaca agntagangg cttcaactca 540
cgaaatccan taacgtnctg actggagact catgcccccc ccccctgaca gaagggacag 600
aagctctatt gaaaag 616

<210> 650
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(101)
<223> n = A,T,C or G

<400> 650
angcagtgtg tggattacac tatcactgga aaaatacgna ttgagataga taggaaaacg 60
ctaaactggc agattagatt tttaaataaa gattggatta t 101

<210> 651
<211> 154
<212> DNA
<213> Homo sapiens

<400> 651
gtgaggacac agcaatcctc ccagaggatg cagcaacaag aacaccatct tggaagcaga 60
gcagccctca ccagacacca aatcggccag cccattgatc ttagacttcc cagcctccag 120
aactatgaaa aataaatttc ttttgtttat aaag 154

<210> 652
<211> 241
<212> DNA
<213> Homo sapiens

<400> 652
gagcagcttg ccaatttctg gaagaaagaa ggaggaggga gggaagaagg aagacgaaag 60
aataagagga agaaggagga ggaggagaag aaagaagaag aaaaaacccc actgggattc 120
tgacagggat tgcattgaat ctatagatca gtttggggag tgctgccatc ttaacaatat 180
taagtcttcc aatgcatgaa ccgtataaag taaaaggcaa tgtgagccac tctttactaa 240
t 241

<210> 653
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

<400> 653
gggcatnctn atanaccatg atatnccctg tgacctgcgc gtacacatcc agatggncgg 60
ctcctgcctt aactgatgac atttnaccnc aaaanangng aaaatggcct gttcctgcct 120
taactgatgg cntggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac cccactctgc ccgccagaga acaacccccc tttgactgta 240
attttccttt acctacccga atcctataaa acggccccac ccctatctcc ctttgctgac 300
tctcttttcg gactcaaccc acctgcatcc aggtgaaata aacagcttta ttg 353

<210> 654
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 654
tgnanctgaa nngcngtgct agnatctgct tatcttcctg ggaggcctca tgaaacttac 60
agtcctggtg gaaggcaaag tgggagccgg ccagtcacat ggccagagca ggagcaagag 120
agcgagggtc accacctccc tcagacgttt ctgggacaga tccaagccag cagagcagct 180
gctcgctcca gagccgtggt gtcttcctgg tgcatcagcg ccaccgcgtg gcaaaacagg 240
gcaactgtag gaatcgactt tccatctatt tggagctcat cagtgctttt cttttaggtg 300
acaacagagt tgtccggcag gtttttcctt tcttttcttc aagtagggta acattagttc 360
acatctgctc aaaataattt atgttcgtat tctaacagac tcatatggca ggaacaagaa 420
gtgcacatgc caaaagaagg cagaggactg caggagcaag acgggttgca aaggggccgt 480
catgactanc acaatcctgg cccctcttct ttcagcntta taaagaccag tanaataata 540
ntgcatgagt tattgtgcag tancactttt caaaaatata tacattgngg aaacagaccc 600
ctccaaaat 609

<210> 655
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 655
gtggggtctt tcaagatgaa gaatcaagaa aatgtttgct gcagccataa aaaggaatga 60
gatcatgtcc tcggcaggga catggatgaa ggtggaagcc atcatcctca gcaaactacc 120
acaggaacag aacaccaaac accacatgtt ctcactcata agtcggagtg gaacactgag 180
aacatatgga cacagagagg ggaacaacac acaccaggcc tgttgcgggg tgggggctga 240
gaggganggaa cgtacaggat ggtcagtagg tgcagcaaac caccatgaca cacatatacc 300
tatgtaataa acctgcncgt cttccnnnnn nnnnnnnnnn nnnnnaaaan ggnggggggg 360
gccttttngt ttgggtttta acnggggntn ttttttaaa agggggggg g 411

<210> 656
<211> 296
<212> DNA
<213> Homo sapiens

<400> 656
cggccctgtt gagcagcaag ggctccaccc agcaccagac acatggctgc agaccacagg 60
gtttggaact ccacagacac agaggcagca gcagcttttg gaatgtttca tccgttccct 120
gctatggtcc ctcatcagca tcctgcagtt ctgacctgcc caaccctacg caagaacttc 180
tggtgaaact ttctctaatc ctctcacttt ccttcaagac ctttacttcc gccagctcct 240
ctactatttg aggaaggacc aatttctata ataaatccct taatcccata ataccc 296

<210> 657
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 657
ggactgtgct aggaaccggg aatcctgtca tgaacaaaca cactccaaac tggaggggaa 60
atctgaaacc atctagtcct ttgcactcca tttaaggatg aagaaagtaa ggccgagagg 120
gggaagcaga gtgacctgct caaggtcaca gagaaggtga cgtggtgtac aacgaccttg 180
acggcatgct gaccgtgaag acaaactgca gagattgatg tggtatattt agctgaattt 240
tgtgactgag ggctgttaaa gaacgagaag agaggagaga aagccttatt tggaggccta 300
gaagtcacag actgagacgt caatgccaaa tctttcattt cccactgtgg ctttttgttc 360
tctctctagg aatagcaaga attttgtaca tagctgggaa tgaaagcgaa gaaaatgggc 420
ccgggataaa ggttgagaaa actatttttct tttgaaaggg cgggcttcca nccttggccg 480
gggggccaaa aaaaaaaggn ccctggatgc ttttttttgac ccg 523

<210> 658
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 658
ccttggtgag gtaagaagag cagctgtgag aattaacaag accagagttc tgtgcctgga 60
tccgttcttc atctatgggt gacctcacaa gtcctctgcc tcaattctgt caccgaaaga 120
atgaccattt tacctggtca ggccctggca tcgggtaagc ctcggatcaa atctcatctc 180
catcacttgt cagggaaaat ccttaaccaa ggagcaaggc atctgtcttt accaaggtca 240
gccaacccac tggcaccaag acatcctttc caccaccccc gacttgctgc agggctcaga 300

tttcatcaag tcctctttat caagttccta ttacaaggca ggcatagtta tgcagaagaa 360
gaaccagaca aggctggagg caagacatgt atgtgaggtg tgtggnctca aaagtcanga 420
ggctacatct cccttcnaat atatttncct ttnaatggat tttctatgaa c 471

<210> 659
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

<400> 659
tcccatccga agcacgtgaa catctacgga accttccctg cagttaccgg tcgccgctca 60
cctgctgggg cgcgaggtgc agagactgta ccgaccgagg acccagaggc tgtcaccacg 120
gaggggaagt cctcagctgc acaggttggg gggggggggg ggggnccnac ccatctnttn 180
aggtttnnnt tcngccttgt tttttnnttc caaaantttt atttttgggg ggnctnnatt 240
tttnncagna cccttcgnnt tttnantttt ttgggttnnn antaaatacc ctgaatttta 300
ccc 303

<210> 660
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 660
agcccagtgc agctgaaatc ctagaagacc tcacaactgt gttaaatttt cacagctgac 60
cacttaaagg cagttctctt caaataagag agtctcactc tctcacccag gctggagtgc 120
ggtggcacga tctcagctca ctgcaacatc tgcctcccag gttcaagaga ttctcctgcc 180
tcacttacat agatgagttt gataacagtc aagctgaaac taaaaaggcc atgatgagat 240
aaaagatcaa ctaaggaaca agcgtgaaag gcagctttca ctgaagtcct gaacctatga 300
ctgatcttac caggcatgcc aggagaatac gctgccaggt tccctcacct ctaccctcca 360
actacagatt gaaaagtctg ctttgcctct tctaaaccat tgcgtcttga acttaaatgt 420
gctgataaac taccagagaa tcttgttgga aatacaaant tntattcncc ncggnttngg 480
aanggggnac cnagaaattt ttnttttttcc aacaagcttt taaggg 526

<210> 661
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 661
caatgatcac angcatcttc accaagagga gcttccatct caagaaagca ctctctcttt 60
gctcatccgt aagaagaaac tccccatcta ttcaagttgg atcatgagat tacagcagtt 120
cagtcacata ttcaggcttc acttccaatt ctagttctct tgctgtttcc accaaatctg 180
cagttacttc cacgagtgaa gtcttgaacc cctcaaagtc atccatgagg gttggaatta 240
atttcttccc aactcctgtt aatgttgata tggtgacctc ttcccattaa tcataaatgt 300
tctttttttt ttttgggaaa gggngtttna nttngccccc nggnngnagg gcaggggggg 360
ggnntgggtt aatngaannn nccncntcng gggttnnccc anttntcntg cctaancctc 420
cnggggaggn gggaaaaagg gggcccnccc nnggcccggg tatttttttt gttttttaa 480
aaaaaaaggg gggttcccc 499

<210> 662
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 662
tcaaccccta caggccctgg gactcctctc cgtccactgg aaaggcaact ccccacggat 60
ggaatccgct cttctcccca gctctgctga gcacctcatc agacatttta agcagctgtg 120
tcacatgact tccagtacag ggagccccac accaggcttc catgccagct ggttactccc 180
aggcctcctt gactggtact aatgcaccat gaccctcgca agtgcccatg ccaggagacc 240
atgaacttta cctcgatgga cagccttcct tcctatgctc cagctattct ttttgaggga 300
gattaccgaa tataataagc acatgatatg tacatatgca tatatacacc gtttgtgcat 360
gtgtatgtat agagacacat atgtcactaa aataactgct cacagatatt taatttcaaa 420
ctttcatttc ccctttacca ccttntnggc ccaatcttcc ccaacaaaag ccgaggggga 480
ttaaaccggg tttggtt 497

<210> 663
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 663
gtntgcatcg ncagcttnna tatcnncnat gtcggnggcc tngngnaact tacaatcatg 60
gtnggaaggg gannaggaag cncggcacct tttttacaag gcngcaggaa ggagaagtgc 120
taagngaagc aggaagagcc atttataaaa ccatcaagat ctcgtgagaa ctcacacact 180
atcacaaaga acaggcatgg ggaaaccacc cccatgactc cattacttcc caccattccc 240
ttccaggaca tgtgggggga ttattggggg attaccaatt caaaggatga agattttgaa 300
gttgggggac caaccatatc actatttgtg aagnatgctt ttattattgg gcaaatataa 360
gttatttgca taaaagttca ttaaagtatc ttgctctttt ttngnaacaa gggacaaatt 420
gggaagcccc ttggattatt attaccaaaa ggctttttga ctgggaaata attatatctt 480
tccaatatga agtaagacag ccttttgaan ggaaactggg ngggtnggaa ttttttttaaa 540
ggctttttaa aancccccctn gggaaaaccc tgggccctta 580

<210> 664
<211> 367
<212> DNA
<213> Homo sapiens

<400> 664
ctatatcatc atggtattta ttaagccact ggagaggcca gaattatatc agagatacaa 60
ccagcctgcc actcattggc ctttaccctc tgtgatgttc ctgacactgc cagcaaaacc 120
tctctatcac agacttacag cttcctccag ctgcaagaaa ccctggtctt gttcttatct 180
actaagcaaa tgaatattat aatcgacaaa taaatgagct tgattgggtc ctcatccact 240
tattcactca tgtcacaaaa attaagtgaa ttacaaatat ggaccaagca ctgaattcat 300
ttttaaaaat ttaatgaata aataaaatga tatgagtaga tgcataaatg aacaaatgac 360
taaaact 367

<210> 665
<211> 461
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 665
aactactatg caaagaggtc ctgctacccg tgctggagag acctcatgta gagactgcag 60
ccacatggag atgagcttga agccatccag gacatttcag ccacagatga gctccagctg 120
aatgcaggca caggtgtaac cccagccaac accacatggg gggcagaaga accatacagc 180
tgagcccagc caacccacag gctttccaga aacaagccag gagtgaggtg ggactcttct 240
acattcagtg actcaatttg gtcagaacta aggacaatga ggaactggcc ttgggtgcaa 300
aatttaaggg agtgcgaaaa attgagtcat tgagataaat tatattttaa tgcaattttt 360
aatgcaatat tttaactaat aaaaattaat gcccaaaaaa aaaaaggcca gcgnggccaa 420
ttcagttttg gacttaaccc aggctgaact tgcttaaaag g 461

<210> 666
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 666
atgcagtctt gctccatcac ccaggctgaa gtgcagtggc aagatcttgg ctcactgaaa 60
ccgccatctc ccaggttcaa gcaattcttc tgcctcagcc tcccgagtag ctgggattac 120
agatagtagg actgaacttc tgagaggtta agcgacatgg cacagattac acagaagaga 180
aagattttga agatcagatg aagtagttac cttggaatac tgcagaagaa gggtctggct 240
ctgttgccca ggctggagtg cagtggcatg atctcaggtc acagcaacct ctacctcctg 300
ggctcaagtc ctcccacctc aggctcctga gtagctggga ctacgggcat gtgccatcac 360
actcagctaa agttttgtgt tttttgtaga gatggagttt tgccatgttg cccaggcttg 420
ggctcaaact cctgggatca agtggatctg gctggttcac ccttccaaag ggtnggaata 480
ccngtgggga gnactttgnc cggcccaatg gatttntttt tttgggctga 530

<210> 667
<211> 136
<212> DNA
<213> Homo sapiens

<400> 667
atgaggacac tgaggtgcaa gacgtttgag gttatccaag ttatccaggg tcacacaact 60
gatgaggaaa ccgagcctca gagaagtaaa gtgaaacacc caagttgata gtgtcaacaa 120
attaaaagtc caagcc 136

<210> 668
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 668
gcccacattg ccgtgcggtt gggccaagta actcnttgac ccgaggaacg ngntgtgnga 60
cattgcattt nggatggcna ttgaagggga tgtgctattg cccanaatat tccaaaccct 120
gggacccgnc ttagaggggc atggctgnct tcaggganga agccggactc ccaaaattgt 180
tggcaaaatg acccccattt taacncttca ngcatgngga gaatgcatgc cctgnagagn 240
agggatccat gaatggaaga tcttgtggcc aagattggcc tttnatcatt tcacctctcc 300
aaacttccat ttcttcncaa ggnatgaatg atgggaaata naaattgacc tggcngtgaa 360
tgccctggaa ancnacngtg ctgaatcctt aaccacctta ctnnntacct tttccttaag 420

cnttnncccc tgggcttaga aaattaattc accgnagggg gnttggngtt ntggctttgg 480
aaaaaaagcc ctngncttct ttnncctgga atgggaat 518

<210> 669
<211> 296
<212> DNA
<213> Homo sapiens

<400> 669
aatctccctt gttgtggatt tcagaccttg agtgtacagc tccccatctg gactctcgtg 60
aaggtcgtgg taaacaacac acagagcatc tctttgtcac gggctcagct gacacgtctc 120
cctccctcac cactgccccg ccagcctcca gcagcacatc tgcggtggac aatgagtctc 180
atttcacatt ttggctctgc ggtaggcatc atcatgggga cagaatacac accacaagat 240
aataaacaag ggactgttca agaacaaata tcaaaataaa gacaaaagga aagagg 296

<210> 670
<211> 338
<212> DNA
<213> Homo sapiens

<400> 670
ggacacttgc ccttggaacc ttgtcttaag gaaacccaga tcgaatgcac agactacatt 60
ggttgttgtg gttgacagtt gcagctaaga ttcaagccta cagccagtat ctagaccaga 120
tatatgaatg aatgagcctt tcttgcctcc agccttggtc tgttctaccg gatactgaag 180
tgggagaaat aagttgtccc cactaaggac tgctcaagtt acagatttat gagcaaagta 240
aatgttgtca tggatttcag tcactaaatt ttgggtggtt cattatgcag caataggtaa 300
cacaaactat taaagtcttt attagtataa caagcccc 338

<210> 671
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 671
ctggcgtgtc cgaatgggct gagctaccgg attaagaggg acaccccaaa gcccccattg 60
ctgggttatt gctccagagc caatgttctt ggggaaagga agatatgccc tttgtcaaca 120
ttgccactgc tggtctgtaa actcctagac ggccagctgg tggttcacaa accaggactc 180
cttgctctgg ccctaccccc acctaccaga atgaccgtga acccttcccc actcactcct 240
acaaccaggt ttccatctcc tctctcagct taggtttccc taactgtaaa ataaaagggt 300
tggactaggt taaggacttc ctgctatttc tctctcccac actctaagnt tccttaggaa 360
tgcttcagaa aacagcangg gttggggcaa ggatgccact tgagtcccag agcaacttca 420
atttcatagg gcacataaat ttatgtgaaa gt 452

<210> 672
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 672
ggagaagaat aacatttatt taatggatgc tgagcaaaag gtattcacaa ttcatgcttc 60
agggcttaag cctatccgag atcagaaggg aacttttcca gtctccaaat tgtacaactg 120
ggagctataa cactcaccga gaagatctgc agcttctctc ctgaagccag cgagaccatg 180
agcccaccag gaggaacgaa caactccaga cgtgctgcct taagagctgt aacactcaca 240

gcgaaggtct gcagcctcac tcctgagcca gcgagaccac aaacctacca gaaggaagaa 300
actccgaaca catctgaaca tcaaaaggga cagcctccag acgcgccacc ttaagggctg 360
naacacttca ccccggccng ggnaaaagnn gggggggttt tttccccccc gncccngggg 420
ggggnntttt ttttcccaaa nttttttccc ttttttnggg aaaaaaagnt tnccccaagg 480
ggnnggggggg agggggaaaa acccccccccc aaa 513

<210> 673
<211> 150
<212> DNA
<213> Homo sapiens

<400> 673
gagaaataca ggtttagatg agacttgttg gactcaagtt ctttcctcca cccatggcct 60
ctactcgggg agctggtcaa atgtggaatt tcgaatatca aatatgtata aaataaatag 120
atgaaagagt acatctcaaa aaaaaaaacc 150

<210> 674
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 674
agttgatgag ctggagaatg cgactggcag cacaggccta gggcaccaga gggcagactg 60
tacagagacc tgtgagaatg gtcagaactc catggatcat gatggaatga tcagggacac 120
tataatagcg ttcattttat gtattaagcc agatttgcac aacaattcca ttgtaataca 180
aatgtaatct ttagaagtaa ttttaaagca gcaaatgtag aaatgccaac cctcaagtaa 240
aagaaaacaa ttttcctaag ccaaatgtct tttgtgagag atttcaatgg tcatttgatt 300
ttagtttaaa gatcatctga ccttatgatt cacccgattc ttaaatgcac atctcaaata 360
taattggtcc ttttcccaaa tttttttttt tgggggggga aaaggggntt ttttaaaaaa 420
ttt 423

<210> 675
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 675
ctgccatgcc atgaagacac tcaagcagcc ctatgaaaag gtccacttgg ggaggaactg 60
agacctcttg ccaacaacca tgtgagtaac ccgtcttgga agacgatcca ccaaccccag 120
tcaaggcttc agatgactgt cactccagcc aacatcttga ctacgacctc atgagagact 180
ctgtgccaga accacccagc taagctgctc ctgaattcct gacccccaga aactgagata 240
ataaatgttt attattttga gccacaatat ttttgggtaa tttgttggaa ggcaatagat 300
aactaataca ggctctcata atgtcattta tttgggtcca gtcagcatgc tttaagatct 360
gggaggtttt ttttttttt tttccccccc tttttttttcc aattttnccc ccccnatttt 420
taaaaaaatt ttccnnttta aaaaanccca aagggcccaa aaaatttttt tnttttttnaa 480
aaggggggggg gaaaaaa 497

<210> 676
<211> 517
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(517)
<223> n = A,T,C or G

<400> 676
atggagtctt gctctgtcac ccaggctgga gtgcagcggc gtgatctcag ctcactgcaa 60
cctccgcctc ctgggcttaa gcaattctgc tgcctcaggc tcccaagtag ttgagattac 120
aggcgtgtat caccacatcc ggctaatttt tgtattttta gtagagacga ggtttcacca 180
tgttggccaa gctggtcttg aactcctgac ctcaagtgat ctgcccacct cggcctcaca 240
aagtgctagg attataggca tgagccactg cacccgactg tattgtaaag catattgaca 300
ccttcaccta actgtgtttg gatcaagtca ctctgggaga aagccagttt caatatcctg 360
aagatactta agcagtccct taatttttgn gggggaaaag gnaaaaagga aaantttttt 420
tccccgnttt ngggggggcc ccaaaaaggg ggggggnaaa aaacccttg gggaaaaaaa 480
ggncccnttt tcccctttg ggtttttccc caacccc 517

<210> 677
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 677
gcgtatgtgg acataaaaac aagcttcata tattgtgtgt cataggggac tgccctacct 60
gccaagggtc tcactggatc tctgtactca tttcctgttg ccagctggtg gacaatatgg 120
tgctaagaac tcaagaagtt ggtcctcacg ttgaacctca gaggtcacca aacctttctg 180
gatagctgct agggagtttc tggaggtgct caatagtgac atatgtcaag ttgagaaggg 240
acagctgatc ttccagggta gagatggatc cactccccac tctcataaag aagatgtggg 300
tttgtttgac cttcactata taggaaaaag cctcacaaat tcttcanccc cttggatgga 360
ggcttnaann cnccccttt tnncccnaaa ncnaaaaacc tttttgg 407

<210> 678
<211> 343
<212> DNA
<213> Homo sapiens

<400> 678
ggtcctgtct gggctgtggt cagagggaca tgtggctttg gaagaacggt cggagagaag 60
caacattgct ggctctgatg gaggaagaaa gccgaggaat gccgccagcc tctacaagct 120
gcagagacaa ggaaacagac tctcccccac aacctccaaa gagaaacgca tgctgccatc 180
accctaatca tagtctggcc tgcagaacca ggagtgaaag ataatacata tgtgttgttt 240
taagccacca cgttcgtgaa atttcttaac agcagtagta ggaagctaat atacccgcca 300
agtagagatt gattaatttg gttaataaac aacaactcct agg 343

<210> 679
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 679
tggcaagagg aaaaacaagc aagtccaact ccacaggttt gtaaggagca gccagctttg 60
atttgccctg cacgtcatag ctcagaaagt tttgctgctc atacaatcct cagcaaagac 120
catccattca ttccgggatt cccccagctc atggacacag gtcggtctct aactacagac 180
agccttcttc tggaaactct caccagcctg atttctaaac tcccagtcca ccttcacatt 240
gtttgcctgt tttcagtgcc tttcctctgc agatctctca gtaggcagcc gtaaggagtc 300

agcaaaggct aacacggctg ccctcagctg gaaacctagt gtagtgccta ttacatttct 360
cctgggaaac cccnaaaanc ctttttttccc cccnttttttt tgggtttggg ggaaaaggga 420
aaaaaaaaaa gggggggccc ccnaaaaatt tttttcccaa aaaaaaaacc ccctttcccn 480
tttaaatttn ccctttttttt taaaaaaggg g 511

<210> 680
<211> 155
<212> DNA
<213> Homo sapiens

<400> 680
aaactttgtt ccttggacct tctgctccac aggcaagaga gagaatttgt ccaaatacac 60
gaaatggagc tcaagaaaac ttcatctgat tctcaaagaa cacacatctc aactgacatc 120
tggccccaca cttggtaata aaagtgcatt ggtgc 155

<210> 681
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 681
agacggggtt tcaccatatt gcccaggctg ttctcaaact tctgggctca agcaatctgc 60
ccaccttggc ctcccaaagt gctgggatta gagaggcttt cctccccctg gatgatagtt 120
gcaccaccat caacccagtg gctcaagtct gaaaagtcgc tcaagtcatc tttgaatatt 180
ttcccagctc cctacatcca actcatcagc tagtccaatg atttcaaagt ctaatcggta 240
tcttaaatct gtccactttg ctctgtaatg cactgccacc agcctgatcc aaaccaccat 300
cttctctcac ctttactaca agagcctcct ttctctaatc atgccttaac cccagatcag 360
ttcttttccc ttttttttttt gggggggggga aaaaggngtt tcccctttttg gggaaaaggn 420
ttttaaaaaa anatttcccc ttttttttttt ttttaaaaaa aatttaaaaa nccccaaatt 480
ttnaaatttt aaattttccc tttgggggaa aa 512

<210> 682
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 682
actgaggtgc agtggctcac ctgtaatccc agtgctttgg gaggacaagg caggaggact 60
gctttagccc aggagttcaa gaccagcctg ggaaatactg caaaactcca tctctacaaa 120
aataaaaata aaaataaatg agccaggtgc agtggcgcat gcctgcagtc ccagctactc 180
agaaggccaa ggtttctaat aaccataaga tcataccatt ggactgtgtg aaaattttca 240
gaactctaat gaagaaatga atggcttcat gaaactgcca agcaagatca agcagatcaa 300
gaattaatta ccgtgaaact gaactgatga agatttaaag aaactatttc tcttaagctt 360
tctagagctt gcagagatct ggggtcaggc cccnaatttt taaattttaa ancccttttt 420
ttttttttn gggnnggggg ggaaaaaacc cnnctggggn aaaaattttt ttnggggggg 480
aaaaaacccc aaaaaatttt ttnaccccct ttttttttttt ttttccccc tttttg 536

<210> 683
<211> 372
<212> DNA
<213> Homo sapiens

<400> 683

taactgtgct gaactcatca tactgatttc tgggactctg gagcaacaga tatctacaat 60
ggagtctcat tctgtcgcca ggctggagcg cagtggcgca atctcgactc cctagttcaa 120
acgattctcg tgcctcggcc tcctgagtac ctgggactac aggcatgcac caccacgccc 180
agctaatttt tatattttta gtagatacgg ggttacattt tggccaggat ggtctcgatc 240
tcctgacctc atgatccgcc tgcctcagcc tcccaaagtg ctgggattat aggcatgagc 300
caccgcacct ggcctcaaaa agagctcttg aaatattagg gctagttagc cttttgtcag 360
tattggaatt tt 372

<210> 684
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 684
gagtggatcc agaatttgtg gaatttaaag cttacataat ggctttgaga tcccatgggc 60
tcaagaaaca aatgaaagag aacatctctg cccagccata gaagaaacta ccagactctg 120
aagtggaacc acttatacca gtgcatctac accaaaaggt ggaatgagag tggctgcttt 180
tctggcagcg tggagacgaa cattagaaag aagatgctgg atttgggtag catgaagcag 240
tgaccgtgtg ccccacaccc agtgagcagc aagaaccccc tctaggactg gtggagctgg 300
aaccatcatt aaaggataaa ctgctcatct caaaccagag gcaattaagt gacagagggt 360
tctcgatccg acgacttcct ttccnaaaag gccccttttt ttttttttct tgggaaaccc 420
naggntttgg gggggggccc ccccactttt aagggccccc aaaaattttt 470

<210> 685
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 685
agctcctgct tagactnctg nattcctcta actgagnatc canttaagga accaatgaac 60
atggagggag gatgaaacct gatgggcatc ggggacaagg ttcccatgat acagcngcan 120
taanagnctn tttngncttc cttgctcact gntnaatatg gctgaactac gcangnggtc 180
canggagact tggagcagcc tgtctgaggn cactgaataa tcccaganac acatccacna 240
aactgagcca atactataag cacagaacat ttttanaagc tgtgggacag aggaaggccc 300
ttcccaagat attgcttcgg gacccagaat ttaaacattc accattggct tccggtcatg 360
caggctgtca catgctcctg aaaaagaagg gctgcgtgat tttnaaaaan ncnnantttt 420
ttttttttct tttcnaaaac ccccccttct tnttttttgg nggggggnga aaaagaaaaa 480
ntggggnggg gngntnntcc nnaanncccc ttttttnctn ttgggggggg ggaaaaaaat 540

<210> 686
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 686
ctctgaaaga tagttaggat gagaaaacga ccctcattgt aaagatgaag aaaccgaagt 60
tcagagaagt cacaaaacta caaagtggca caccccaggc tagaacctcc ttcctctcat 120

ttgaagggcc accaaaccag ctgttcccct catggaagag gagcatagac ataaaatgtc 180
aaggcaatgg ggaaggggca gagaaaaggc acaaacactt ggaggagaga cagaacaatt 240
aattggcaca aaaatacagt attggtgtca ggaggctttg gtgggcttgg aaacatcaag 300
cagcagatct gaaggaaatc cagccctggc atgaaagaaa cggggcaggc caggcgcagt 360
ggctcactcc tgtaatctca acattttgga angcaaangc gggtggatca ccttga 416

<210> 687
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 687
cctggcagaa tctggccaac ttggccattn ntnttggncc gnggttaact ntggnttnnt 60
ntcctggntn tttgtttngg cctgcaactc cggttttgct tccttgcctg ccccctggct 120
taaaagaaaa ggacggggag tagggatctg gaaggacact ggcccccaaa cagggaatct 180
gagcaccagc agccacgccc cagtgggtta accttaaccc gtgcccatgt taaacgcttc 240
tgggtggcgt aagcaccgtt agctatgggt agctccatgg ggatcatgtt ggcatccacc 300
tatattgcaa gttctgaaat gataacattt tanaaatgga tggacaaaat ggatgcccag 360
ggttaaagaa aaaagtggtt attaaaaggc nacaccgaag gtccttcaag tggntgnaac 420
tggttnataa cntgnctgtg gtanggngga taccccaatc ttccaaagg 469

<210> 688
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 688
gaagaactga ccannacccc tttangaacn ngngggtctt caaaagggan aagtgggnan 60
cctcaaagtg ggggggccaa agggcccttt ggtttggcca cattcaacgg taaaaaaatc 120
tttaacgggg tcttttaaat ggcccctttca cgggnccang gaaaccttca agctttcaaa 180
aagnaaaaac ncaaaaccgc gtcaatggct ntcatttaaa tttncncttt aattcggggc 240
ttccaaaagg aaggtgggag gaaatagctt gggtggctca ctgtcccaag acactggaag 300
aatgggcant ttcaaagaat ttttctcttg gcaattctgg gtcctcttga aacaagactt 360
tggaaccttt ggtcttgctt gggtttccca aacccctggg gttacnacat tnaanaaacc 420
atggtgcctc caagggaacc cttcaccntn ttgggaagtc ttggaanggt ttgaagcccc 480
canaggaaaa cctcttatgg tcttcccatt atttttccat ttccaanaac aacccttntt 540
ntttttttat tggaaaaccc cnttggngaa aannggggcnt ttaacttcaa nttnttttta 600
aaaacatt 608

<210> 689
<211> 174
<212> DNA
<213> Homo sapiens

<400> 689
gttgcctcac tggaagccag gacacctatg gacaccttaa ggcgattttc tctggcaaga 60
agtggagatc tgatacagac ttttcaagaa tgtctcattg ctttagacaa ttccctgaca 120
ctacctgtct ggtttctttg attagcaaaa ataatcatag taaaaatacc aatc 174

<210> 690
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 690
gaggctcagt ccaacagccc ttgaagaaaa gaattccacc accaccaaca acaataagct 60
tggaagtggc tttttctcga aataaaacct tcaaatgaga cctcagccct agacaccacc 120
ttgattatgg ccttgtgaga gagattctaa agcagaaggc ccaggtcagc tgtgcccaga 180
ctcctgattg aaagaaactg tgaggtactg gccagacgaa gtggttcaca cctgtaatcc 240
cagcactttg ggaggccgac gtgggtggat cacctgaggt caggagttcg agaccagcct 300
ggtcaacatg gtgaaaccct gtctctacta aaaatataaa aattaaccca gcatngnggn 360
gngtgcctat aattccactt ctccaaagct tgaggcaga 399

<210> 691
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 691
gaaagaagca gacaccgagg gagaatttta aagacttcaa agagcccgag tggactacca 60
catccctgta gctggcagtc ctatagctgg cggtcctact tgtccagtaa gcttccaaac 120
attggctcct ctctgaaaag gtcaccctgc ttttcagaca gaatttgtga ctctcggcag 180
ctgggaatac tttggaactg aagagaacct attaggagag agaaaaaaca gagtcatgat 240
taagcaaaaa aaaatggaga aaagattcac ctctaaattt tatttaatga caacaaaaac 300
acacaacatt tctctttgat tcataacgtt aataaattct acttatcgtt tgcaataatt 360
ccaaggngtt ctaaaaacat ctttatatta aaaaagagtt ccatattagt ttgaattact 420
tcangaaaaa aatggcctat tccnccccttc caagctt 457

<210> 692
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 692
gggatggatg nggtaccagc aanacttacc aatgagtacc tngaccgntc ttcatagnag 60
atcccnctgg cagcaggcca tgaaccacaa gcctctntcc atcaccctgc tttccgggtc 120
ttctccagct ncacttggtc tgatgaataa ttccaaccag cacttccaga agcttgagct 180
gctctttggc tttgataaca gctagctttt tgggggttac ataaacattc acatnttttg 240
taccgctgtt ngacaatgac tcctggcttc tgatnggact gagccttana aaggatctgg 300
gccatnggna tggtnttttt tttattgccc cncttnggta aaaaaccttt cctncttnaa 360
aatttgggga accgcttgan ggnggggggca nanatttttt tttttttga aggntcttca 420
aagaaaaaac c 431

<210> 693
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 693
tcagaaactt ganggaaaag aaccttgggt cacttaattc tncgccntct nggaaaatca 60
annctttngtt atggacctcc ttgnatngat ccnacttgag accccaccan nttnggccca 120
acccttgctt ggggggggaat taagaaaacc cttcntcttg tccanaagtt aaaggggggc 180
ctggaattgg ggttccaagg gtcacatttt tttgggaacc ttcaanggtg gacanggccc 240
agaagcccca aggtnccccc anggacaagt ggcagccacc tttgtnccaa ngccgggccc 300
ttccccgttt cttggcttcc cgggcttgaa ctttccttgg gaanaaagaa ggaaanggtt 360
cattcttgaa ntttgccaga aaaacttggg aaagccaaga agaaccccca agtttangga 420
agcctactta ccaacttatt tccanggcca aggaaaaaga acaagttggg cctttgggaa 480
ttgggggaat tgtnggtatt ttggaaaagt ngggaagact taacccanaa nggttccttt 540
gggnaaaatg gtaccantcn tttnttagct ttccccaaan aactttgctt gcttnggtgg 600
gggaaatggt tccaaggt 618

<210> 694
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 694
gaaagaacct tggtcactaa attctacgcc ttctggaaat cactctgcta atgacttcct 60
gaatgatcga ctgagaccaa cagctggccc agccctgcat ggaggagtaa gaaaccctca 120
tctgtcagag ttaaggggcc tgaatgggta caggtcacat tcttggagct caaggtgaca 180
ggccagagcc cgggtcccca ggacagtgca gcaccttgtc caggcgggcc tcccgtttct 240
ggctccgggc tgagcttcct ggagaagagg aaggttcatc tgaattgcag aaactggaag 300
cagagagccc agttaggagc tactacaact atccaggcaa gaaagacagt ggcttggatg 360
gggatgtggt attgaaagtg gagactanca naagtcttgg naatgtcatn ttatactacc 420
aaaacttgct gctgg 435

<210> 695
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 695
taaccagtga ggaactgagg tctcccagca accacctgtg tggagttgga agcggcgctc 60
tctctctctc tctctccagc aaccagtgag gaactgaggt ctcccancan ccacctgtgt 120
gaagtnggaa gtggattcct tancctcagt caaaccttga aacgactgaa aacctggnca 180
acagcttgtn taaaacctca tgagagaccc taagccanac tcncttacct acagaancct 240
ttatntgtat ctctgaataa atgtntgtta ttttaagcta ct 282

<210> 696
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 696
aacgtagctg ttttgaaaaa acaaagcata tgcattcttc tcaaatggca acttaaagaa 60
acaggagggc aaattctcat ttcttttgga aagtaaagat tcctctcttt ggtaaaagaa 120

acttctttgc attcactgaa caaccttccc ttaagaggga accaacaccg cctgatgatg 180
ggcaaactga ggcttacaga gatgggagac tgcctgcacg ggaccattca gctcagaaac 240
agtggaacta gaacttgagg ccatgccttt cagagctgct cccatcttct tactgtccat 300
gccgcctctg gcactttata aatgacagag ggtccgatat gggcatcatc acatggttac 360
ccatggtacc ctaaagtgca gaccccaagc ctctcacctg gacatctgcc acaaaagctg 420
taatgcantt gaaaattggt cttcccttgt g 451

<210> 697
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 697
gtgttgtgct gatgcaggag acaaccgcga anatgggnan ggaatgagaa ngatacnncg 60
tangggantt gaagcnaaag atcacgctgc ctgcctacac cangaaacag ccaagacccc 120
ccttgcacga accaacattc ttccaccctc tccaactttt ttctggaacc ccttcacttn 180
caacgccctc aatgtacact tcactttctn gtgctcttcc taagagagta gtgntttntt 240
nctccccacc gagaaaaaaa aataaaagca acaactgg 278

<210> 698
<211> 293
<212> DNA
<213> Homo sapiens

<400> 698
gtccaagatt ttgagaaccc agattcaaat aaagaaatag atatggccag gtgcgatggc 60
tcacgcctgt aatcccagca ctttgggagg ccgaggcggg cggatcacga gagacagggt 120
cttgctctat tgtccaggct ggattcaacc ttgtgggctc aagtgatcct cctgcctcag 180
cctctggagt agctgggact acggatgcat accaccacat tctgctcatg ccctatgtat 240
tcttttgtat gtatgggtgt aaaaacagag ataaaaacag agatatggat gcc 293

<210> 699
<211> 475
<212> DNA
<213> Homo sapiens

<400> 699
acacagcaaa ggctgagatt tcagagactt gagggctatt gggagctcag aacatggcat 60
caagtcccaa ggaggaaaaa ctatggatcc tggaaccttg ctgttgtcat acttgggggc 120
ctgtcttaaa agtctcactt ggtgatatgg gctgagtcat gtccctcccc aaaattctta 180
tgttgaagtc ctaatcccta gtacctcaga atgtgattag atttggagat agggtcttta 240
gtgagataat taaggcaaaa ggaggtcata tgggtggggc ctccttacag aggagactgg 300
tatctctgta agaagaggaa tgaggacaga gacacgtaca gaccaaggga ccatcatatg 360
aggacacaga aagaagggat ccatcttcaa gtgaagaaaa gaggcttcag gagaaaccaa 420
acctgcccac atcttgatct gggactttta accttccaaa atttaaagaa aataa 475

<210> 700
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 700
gacaagattt tctctggtct tctgtttccc atttctaaaa taatgaaata acgccacttc 60

agaagttcct aacgaggaca aaatgagagg tcatacgcca agtgtatcaa gtacacagaa 120
attacctcat ttccaaaggg aagattggat gatactccac agccaatatt gacttactga 180
agatgttatc aaatcctctg cctttcctca taatgatatg agaagataaa gacgtgctcc 240
gctacagagt cttcaaagga agcagaaaaa gtataataca taattttaac ttaagaggaa 300
cactgctgga catcatgaga attccataca atgagtgtca catctatcag aaaaccaagg 360
gtatgaactc taaagaaata gaagatggtg gtgaacaggg accacctctc tgcctgattt 420
gntttctgcc taggaggncc ttcataattg catgggtg 458

<210> 701
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 701
gtgcggtggc tcacacctgt aatcccagca ctttgggagg ccaaagtggg aggatcgctt 60
gagctaaaga ttttgagacc agcctaggca atatggatgt attatggtat tctctggaaa 120
gattctgtga acaagcaaga cacctgtttc aggtcttgtt aaataccagg tctttccatt 180
tcctttaagc ctttcagaga tttangccat gtcatcatac ctgatcactt catacctgaa 240
ccccacaagg gcagcagcat cctccggtgt ctactacccg tgagaccccc tctagagaaa 300
gttccagaaa acaagatgag ttcaaagagt tcataaggga cttttggggg aagctacact 360
attattagtt aacactgaac agggagcccg gagatctaga ttcttgntgn atttgccctg 420
ntcatatgac tttggacaaa ccactcatct tttaagnacc ctcanttcct canttatttt 480
tgganaacat tggaagtaaa ggacctttaa agtctgttta ccc 523

<210> 702
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 702
gcaaaacaga aattccattt tgatgattaa aaggaggaaa aattaacttc atggtcctga 60
cccacgttca acttgataag agaggagaga gcactgtgtg aaggcaagag ctggtaagct 120
cagacaacag aaagaccggg actaactcct gctcatcact tcactacacg gccttggcca 180
tgctgctgat cttcacagca tcaggttcct catgggtgat ttgggaatag caactggacc 240
aagcctcaca gggtccttca tattatttcc actcattatt gttgaaatct tccagttttc 300
tcattattcc caatgcttca aaataaaaga gaaatttagt aagattaaat aatggaaaaa 360
ggaagccaaa gaatatccag ttacgatgtt caaagagata agctggccct gaggcatatt 420
tatctgtcct aaaagaactt cccaaagaga aaattaaagc tnttccaata ccttg 475

<210> 703
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 703
ggcatgaact cagggagcga gcttgggaaa ttgtggagga agctgtttaa agggattccc 60
aggctctcgg tgagccattt tggtttctat tgtgggactt gtgtgctgtt ggggcgccca 120
cagatcccac agggctccag ccttggcaac gacatcgacc aataccccgt ggttttcagg 180

aatgccagcg accagggctc ctggatgcag ctggagatgc tactgcggaa gctctctgac 240
ctggtgtgga cttcagatgc tctaagtgat aaggtcaccc tctttggatt tggatcagaa 300
tagcaaggaa agtgtttcta tcactggaag gaggataatc agaccaaggg ctccaaggaa 360
atactgccca cgtctagtgc aggagcagaa atcgaagtca tccatcagct agcgtgtgga 420
caagctcact attcacacaa acttaaccta acttaagtca atccaantcc tatttttggg 480
tgggtaaagg gcaggaagga aaattgtaan ancaagctgg tactgaa 527

<210> 704
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 704
tatgctccaa ccagcagcgc ggaccgcaag tggagcccgg caattggaaa gttgcaaatg 60
cctggatgct acgttttgca tcttctttag ataccccttga ctcgtacatc ctgtctgggc 120
taatgttgtt ttctgcttgc agtgtgtctg gagtctcaac aagtgcccaa gccaccctca 180
aagggtcact ccttgtttca agagcacttg tgcttgcctt gacctctctg tcgctctctg 240
attccactta ggaagctgct tagttccatt tttcaactga aaaattatcc tctgcttcag 300
gccactctgt catactgttt tgtgtagtgt tttaaagcta atttgaacta ggcaatgtct 360
tagccttaga tatagacaga taattttcca gatcagacaa gctatagtaa agcttcaaag 420
ggaaaacttt tattcctaaa gagaatanaa aactcatctg gggtaatcat aattggattt 480
aaaaaatgac ccaagttgaa ttttt 505

<210> 705
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 705
acaaaggctt gctctgtcac ctagactgga ctgcagtggc acgatctcgg ctcactgcaa 60
cctctgcctt ccaagttcaa gcaattctcc tgcctcagcc tcccgagtag ctgggaccac 120
agacctgcac caccacaccc agctaatttt tgtatttttg gtagaggtgg ggtttcgcca 180
tgatgcccag gctggtctcg aactnctgcc tcaagtgatc cacctgcctt gacctcccaa 240
agtgctagga ttacaggcgt gagccaccac acctggccta attatatctt tctattaagc 300
cttacctaat aatagtaaga agtaggattc tctttggctg ggtcactatt caataaaata 360
ttaaagtcat ccatgtg 377

<210> 706
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

<400> 706
actcctgctt aagtanaaac tgaaactnnt tttngnaacn tntnttggct ngaacntnct 60
nttcangngt gtctgnaagc tggcctnatt ccactttgtg cctggaaagg ggacacacan 120
gccctggttc ctggactgaa agcacgaaac aggatctccc tgtgttgccc aagctggtct 180
tgaactcctg gctcaagtga acctcctgcc tcntcctccc aaagtgctgg gatgacagtg 240
tgagccaccg cacccggnct ataacgaaaa agncttgatt cncttngcac attgagcctc 300

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ccctttttgg natctttggn ccccaanccc tgtagngaga aactgcctga gaaaaaancg 360
gnggnnacac antggagaac tggaaaaaaa accccggagt gggaancaca tctggtgccc 420
cnctccctga catgaatgtg accaactctg gttttaanat ttttgacatn tgaagccana 480
aantnccctt tctactataa ggggagtgga agggggattt ccacactttg tac        533

<210> 707
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 707
tcccacagcc ctgtgaccaa aagactggga gtgtatgtca ggcctctgag accaagccaa 60
gccatcgcat cccccgtgac ttgcacgtat acgcccagat ggcctgaagt aactgaagaa 120
tcacaaaata agtgaatatg ccctgcccca ccttaactga tgacattcca ccacaaaaga 180
agtgtaaatg gccagtcctt gccttaactg atgacattat cttgtgagag tccttttcct 240
ggctcatcct ggctcaaaaa gcacccccac tgagcatctt gcgacccca ctcctgcccg 300
ccagagaaca aacccccttt gactgtaatt ttcctttacc tacccaaatc ctataaaacg 360
gctccaccct tatctccctt cgctgactct cttttcggac gcagcccgcg tgcacccagg 420
tgaaataaac agccatgttg ctcacacaaa aaaaaaaagg ccagngaggc caattcaagc 480
ttggacttaa ccaggctgaa ctngntcaaa agggggggg                        520

<210> 708
<211> 508
<212> DNA
<213> Homo sapiens

<400> 708
gcctgactcc cccgcagagg agaagcaaaa caatctctta gaagcaaatg aatcaattca 60
ccatttcttg aagctgcaga gttctatagc tggcttgggg caggtgggaa aagaagaact 120
cttctcccat tggaaaatct aaggcataca taaatttaat gaagtacaaa ctttctgtac 180
agatggagca taaacaaatg gcgtcactag atccaccagc cattcattca agctgtggac 240
agagcccagc ggccgcagca ccggacaact gagtgcttgg ggaggctcag ccctgacagc 300
ccctgcacaa cccaaatcag ttggcaggtc acagaggtga ggccaccaag ggcttctgac 360
ccttgtggcc ctcccagggc taccctcctt gagtccatcc ttctggtcaa ccagcttggg 420
agccttagtg agtggcaggg ttgttgctag agagaaagcc ctggagtctt ctctgctcta 480
atgacttaaa ataaagtcca aactcctc                                    508

<210> 709
<211> 229
<212> DNA
<213> Homo sapiens

<400> 709
ggaaaacaat ggagcttcct gacatgtgac actgatgctg tttcactcaa caagcaaaag 60
tcttgctcct tcttctactg gaatatcagt gccatgagag ctgggatctt tgttttgatc 120
tctgctttgt ccccagcacc cagcacaatg cttgacacat agtaggtgct caataagttc 180
cactgaatga atatacacaa ccaatcctga taataaaagt ttgttattg             229

<210> 710
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G
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<400> 710
gctattgtcc tccagttcct agcttaaaac tgtacgggac atttccagta tagagcctgc 60
tgagaatgaa catgaaatca aggacatcac ctgatgatgg attatgtaga tggcgaaggt 120
gtggtggcac ggagacctct tggtgaccaa gccggacact gagcaatctg tcagcagctt 180
atcaaaagaa aacacaagtc caaactttgt angaaaatac ctgattaaaa tcactctttc 240
agggggtatc tagtacatct ggcaggccag tctggtattt aataaatcct gctccttc 298

<210> 711
<211> 299
<212> DNA
<213> Homo sapiens

<400> 711
acaaacaatg attcctgaag aaataataat gaaccatcac ctttgatgta atggctgcct 60
gcactgtcga gatgggagtg tgccaagatc agagattaat gcatattaaa gaaggtgaag 120
agaatttcac ttctggatga tgtgagcacc ctgcagtttg ctgtgtactt ttcatacact 180
tatgtattta tctaaaacct tccatgattt ttttggtgca gtagtataca gaatctgaac 240
tgttataagg tcaactgtaa acaattatct aatagttatt ctaaaacttt acctccaat 299

<210> 712
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 712
gttctgtgct ctgtctttcc tctancctc agcttaatag gttgtgacca aggcaattca 60
aggaattgtc ccaggggagg ggaactggtg gaatgagtac ctggcaaaag gaaagcagtt 120
gtcatgactg gccaagacta aaggtcagaa gactttcact ggagatatcc ctccctatgc 180
ctggaagaaa ggaatattct tatctctgaa gacattggga aacacaataa tagctgaaaa 240
acaggccttg ctaacttctc tccagtttat tattagatga tatattttta tccaatcata 300
tttctccatc actacccact tctccatcag aactagcctt aaaatgcata ggtttacata 360
ttttttagtc ttcatttcca cagttccctt gtcacactaa aactatatta agtaaattta 420
tatgtttttc tcttg 435

<210> 713
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 713
atacctatct ntagtctatt cngatgacaa agtcaataac aggacattta agagtcacag 60
ctctgaaaac aacataaagc atcatgggcc gtgctagaca tttaaatgca agagccattc 120
tcttcaaagg actatgaaga cttggaacaa aacatcacag tcattccttt gtactctgga 180
tgccgaatgt tgcaatactg tctgcccgcg aacctttcca ttcttacagc aaatcactcg 240
tccataaaga cagactgtag tgattctaat gcttctgtaa aatatctact tattggcact 300
gcatcagaat aaatttaact ttattttaaa tgct 334

<210> 714
<211> 567
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 714
gagctgggga tttcaaaacn gccccgggca tcatgcctcc ggcntaattt tcntattttt 60
ttgaagaaga gnggggtttc acnatttttg ccccacggct gggtcttgaa ctccnnacct 120
caaggtgatt cccngccntt ggnctctcaa aagtgctggn attacagggc ggnganccca 180
ccccccccca accaaaaacg ttttttttc ttantttacc cgccgggggg gaaaagaaag 240
atttattttt ggggnttgct ttttctcccc ttggaaggaa caagaaaagg nttcccttct 300
tttcttgatt nttnaaaagn aaaactnact tnacttggng gttttttttt ttttttgccc 360
ctcaaaaatt tgccctaccc caagttnnct ccctggcaag gnttttttt ntttnttnaa 420
taaaaanaag cattggccnt tgtnttttcc ccccccttt tgatttttc cngnccccct 480
ncttngnccc ttaaannccn ttcaaggggg gtggnngttn ccctttttaa ccggggaacc 540
cccgantttc caaatttcct tttttgt 567

<210> 715
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = A,T,C or G

<400> 715
cacttctcct tcctgccctt gtatgaagaa ggatgtgttt gcttcccctt gtgccatgat 60
tgtaaatttc ctgaggcctc ctcagccctg cagaactggc tagagcaatg tatcttaggc 120
tcacttaagg aagctgtaga gatgagccca aggagggaaa ccagaagagc cccccaggct 180
caccagttgt ttgttggctc cctacaaaca tgtcattcaa gtggctaatc ttacaacagc 240
acaaattcat ctaaccagag atactctatt atagcaaaga agaaagataa tttcattgag 300
ccatcctgtt ttacaggatt ttccctcctg gtgagtcaaa atgaacaaga agtaccccag 360
gacctccctt ccctccttgg cattaatgag atgaaggcaa ttaactcaca tagtataaat 420
gaatcatttg aggtgatgac tgcattttag gcaaatgatg actttcttgg tccattggtt 480
tgcaagtaaa agttacacac attgaaaaga cactgaaaca gatttcctaa atgcttcatt 540
ttctggatgc accaatggtg acctactata catggtaaat ggntttaaaa tatcacctta 600
aaaataaaan gaaacttnca gctactaact cagctcttga tgggctatga aa 652

<210> 716
<211> 485
<212> DNA
<213> Homo sapiens

<400> 716
gagctgattc ttcttaaaat gcattgccac gttatctcta acgttggctt tctgacttcc 60
ccgcggggct cggaggaagt aacccagttt cttaaggaaa aatgagagat aaacatcaca 120
acagaattct aatgacactg caacaaaatc aggccaaaat gaacgaaaga aagaaaagaa 180
aagagaagag aaggaaagga aaagaaagaa aagcctttgg tgcttgctca ctacaaaatg 240
aacaaattgc aagtggaaag gaaaatgttt ccttttttga gtcccttcat acctagtgga 300
atttggaaaa cttaggaatc cttcaataac aaacactttg ccaagtgcaa ggacttggaa 360
tttcttctct actgaatcta ctgaaccatg ggtcttaatt aggtgaaaca gcatcaccta 420
cagtgggatt tggttgggac ccccaagtca ataatttgat tgaataaagc tctttggaat 480
tttcc 485

<210> 717
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(667)

<223> n = A,T,C or G

<400> 717
gatggttagc tgggcaatca actactcaga agacgatgac atttcccagt cccctcatag 60
ttgagctgca ggaaatggaa gcagttgaat gtgaatataa atacggatgt ccttagagaa 120
ctgttgtcat aaattacatg atcaggaaaa gagcaaaaca atacaaaaga tcataatctc 180
aaaaatctcc tattgccatc gcagaaaaca gatccatcag acaacacgca tcccatcctc 240
tgattcaaag aagtgatgct cgtttgtatt aacgctcctc catgcataga agggctcagc 300
accacctaat ggtgctatat taaggatcat ccaaaccagg tcaaccttct gagaggttcc 360
cagtcctgga gacaggtcaa aagtgaagct cagactggtc tggcacttat acagccatta 420
ggaagagatg agcagaaaag ctctaagatt ccacagccca gactggctat ggatattaac 480
gacctgcctc caaccatcca tacctgttct tttgntaatc tggttttacc accatgcaag 540
agagacaacc aaactcatac agtcaaaact gagtcataag accctctncc aatttttat 600
tttttggttc tacttataat tcttactttt atacttctaa aacaattcta ttccctggta 660
aaagact 667

<210> 718
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

<400> 718
ttctggaggc tggagagtcc aaggtcgagg ggcctgcatc tggcgagggc cttattgctg 60
aatcatccca cggcaggagg tggaagagca agagagagcg agggcatgcg catgtgaaca 120
agagaaagag actgaatttg cagcctgaag cccttctatg attggcatta atccattcac 180
aaaggcagag ccctcatgac ctaaacacct ctcactaggt cccacctctc aacagagttg 240
cattggggat taaattccca acacacgctt tttaggtgac attttcaaac catcgcacct 300
tcctagtgcc cataggccag gcactgtttc tggggacttc tgggaattaa cacagtaatc 360
ctcacaacca gcccatgaag taggtgttat tgttaccacc tccatgtcag aggttgagaa 420
acggaggtgc agagaggtta gttagcatgg tgtctggcac tggcatctat ctcttactac 480
tacacctaat tgctcaaaaa ttttgaangc ttccanggca agcgacatca caaatgccag 540
cataatagca agtagattct ttcaaagaca tgaacatata ggaaaataca agntttactc 600
aatttctcaa cattttcaa actggggtcc ttggatttgg gtttggggta aaaattaaaa 660
ggangggtct attgccaag 679

<210> 719
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 719
atggatagct ctctgaaagc gggaagcatg ccttgttcag ggagaagaga tcttgctgac 60
ccacccttc tctttctttc tgacctgaat gtggatatgt ggtttgcttc tgtggctgca 120
atcaggtgac atgaggcacc aaccattgga ccaagaagac aacagccaaa gacagaagag 180
cagaaaaata aaaggaaaag gcctgtgttt tgataacatc aatgagcagc agtaccagtg 240
ccaatagtca cctgtctcca gccttcttgt gaatgagata ctacaggtct gtattgcttg 300
agccatttct aactccagaa tatatttaag agtttcatac tgaagttgaa ccacacatct 360
ttctttgaac ttcctaacag gcaaaacaac tgcataaaag agatactcaa ttaagttatt 420
atttgcattg nctttgagga gaaaattgat agttcttcaa gagaggcact ggttcttgtg 480
aaacttaatt ctttaaaaaa tggcttgggt ggggcatcat aaaaagacac tgagntatgg 540
gggnaactgn atttaaatca tatccccaaa ntaaatgcca aaatagtttc at 592

<210> 720

<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(316)
<223> n = A,T,C or G

<400> 720
tttttccggc aagngacttg anaagtngcn nccngaaagg gnggcggtgg cttgcccana 60
cncggtgggg aagagccttg agggtgcttg ccgccccagg tgacangacc cgaagattgt 120
acnanancac tctaattgcn cnaaaatagg cactatccac caaacttcct ggccttgaga 180
atngtttacc aanaacttca aagatccctc ttgcccacat cttgaaaaan gccccccttc 240
cctataaaaa aatcanggac ccccttgctt aaagnnaaac aantgccccc cttgtnaaat 300
aaaattgttg gaaaaa 316

<210> 721
<211> 184
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 721
gcaccgngan cntcactcat tnncgannnc tgcattgttg ttggctgatg tcatagactg 60
ttcctctatg atcacaagaa ttccctattt agaactgcat atgggtgccc gttgggtaac 120
ngtttcaagt tgaaagaatt ttgcattttg tgttattgta ctagaatgaa ataatcttaa 180
tccg 184

<210> 722
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 722
gactctgggg agctcctgca ttaagtcagn aactgnncat taccagancc nagcgagctt 60
ntgacaatcg cncnntagcc cttcggctgc aatcattctt tccgtcagag tcatcatgag 120
ctgacgggct ttggagctgg aacacttaaa ctggtccaca agaaagtgct ggatgtttgc 180
catctgtttc cagaaagctt ccatctgtga aatgagcaca agcagcaaga agtgaggtga 240
aaaacttact taagaaagcc aaacggtgcg tgcttgggaa ttacaattca ctccttatca 300
caaacaaaga ttctaaacaa ttctacagtt tcagtgagtt tatcttggca acaatcaccg 360
ttctacagtg aagttctttc tggttccatt gnctggttcc agtgtcaagt cagttttgca 420
atggtgtttc agcagacacg agagcactgc tgctaaggaa agaaagcagt agcttgtcca 480
gcctacagac tcttgcacag gtcattacag ctacctangg gctgatgaaa tgtgacaatg 540
ggctcatgga agctttggca attttaaatg ggattaaata ctttcctgaa gt 592

<210> 723
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)

<223> n = A,T,C or G

<400> 723
tctggggagc tcctgcatta agtcnactgn natcctaaac gaaggcagac atcaacattt 60
ctggattcag ggtccagagt gctcaccatt acaccatgga acctcaaacc agacatcaac 120
gtctctaatg agtctttctt tattccaata aaagaaaatg gtcagtg 167

<210> 724
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 724
gaacaagctg acattttata aaggaagcac agttgactct tggacaacac ggatttgaac 60
tgcacgggtc cacttacaca tggattttct tccgcctctg acagcaagac aaactcctcc 120
ttttccgcct ccttcacctc agcctattca atggtaagat gatgaggatg aagaccttta 180
tgataaagaa tagagcaact ggacatcagc aaaaaagtga atcttcacca aaaactccca 240
ccttatacaa aaaattaact caaactggac cacagactta atgtaaaaca taagactata 300
aaactttcag ataaaaacag aagaaaagtt ttcaggacct agagctacaa aactagttct 360
tagaattgat gccnaaagcn ccacccccca agaaaaatta attgggnctt tttcaaagtt 420
aaaanccttt gntcaccaaa agaccctntt angcagatga aaagagtagc tgcagac 477

<210> 725
<211> 188
<212> DNA
<213> Homo sapiens

<400> 725
gaaatctgga ccatctgctg gggagaaatc tgtttctttg caggataaaa tgctccctac 60
aaatgtaaaa gcttttatat cccaggactg ttattcaaag caccttaag ctcagcttct 120
tacagcgccg tctgaaaaaa tacaaaacaa cagctatgtc ttgcaagtaa aatcaatggt 180
ttcctcac 188

<210> 726
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 726
aagggtctgc agagtctgca ggtggcgcgc acattcgtca tgatgctgaa gagatgagca 60
gagtgcttag tctggggccc agcgcactca tctggaagca tgtcagcgga gccgcgggac 120
agctgccacg gacggcagtg gccccggatt catgtcccga gtctgaagag agctcctccc 180
tggccttttg gtttttgggg cctcctagtg tcctccccac acttcggttt aggtctctgt 240
cttgcagcat cagcgactcc cacttctttt ctggcagggc tgtggctgca gacagcatct 300
ccagctagtt cacaggtggc cgccctaggc cacgggcttt ccctggggat gaaggacctt 360
caaatggaaa atggccactt tcataggact gtttcaggtt acagggtcac cccttcctgt 420
ccctaccttа gactcccaac cccatcgctg cacctggcct ggcctcctct ggaaggaagc 480
tcagatttgg agcctctgca gggcagggag cctgttggaa ccagcccang gccagccggc 540
tcattcctgg aattcctacc tcctctcact gccctgggtt tggcaccang tgctgagtgg 600
gcctcangcc aactgtgggc atgggctcga tgccgctgct ttcttcttca catcaaggna 660
ttcagccgna ttctacccca aa 682

<210> 727

<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(663)
<223> n = A,T,C or G

<400> 727
tgattggctc tttactggaa atatgcagaa gtgactccct cccagaaaca gccttgactg 60
gtgtcattcc agcctcactt caagggcaga gacctggttg tcagtgagat catcacagcc 120
acagaggacc aagggcccca agagagtcaa catgcaatgt cagcaatgca gtgccttaaa 180
gaacatctgt ctacccatga ctaccacagt ggagaatgag gaaattgaga cccatagagg 240
aaaagtgaac tagtcaatat caacccccaa gttagagacc aagggtaatg gagaaacttt 300
gatgagagta tgggctgctg gtaactaact tgtggactca agggcctcac accctcaagg 360
tcggacaact tccccaaaat gtcacattct gagacaggtt aaccaagggc ttgggcctct 420
gctgctgttt cctcttcctt tcaaaggcaa gcaccatgga taggcctgct ctgcagctcc 480
aacccctggg gtccccaggg tcatgctcag tgcaattctt ctttctggct ggacacttgg 540
agcttgatgt tccccagagt tctggtcang ctcttnccat ctctttgcct gaaaagaaac 600
tcaaggcctt nccaagtggg agccatcacc actggatggn cagcacccaa atctcacccc 660
cga 663

<210> 728
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 728
gnatcntccn cttnggcntc cnaannnttn gggatcccnc cngtccntnt cagactgtta 60
caactgaaga aagggccctc ggagatcatc cagcccatcc ccctcatttc acagcgaaga 120
tgtgagctgg aagcttcaca gaaacacaca gctcccaggc ttcagtaagt aatcatgtag 180
tgggttgttt tttttctgtc cctgagaagc tgggagtagg tccttggatg cattacagat 240
caagagacaa aatggaacag taattatgat tctgaaattg ctcataatta gatccacagc 300
caggcagtct cactcagatt aatgagactg agtttctgat tcccagtggc ccataggtca 360
gtgaaggttc aagaggtgct aattagatca atgagttttt ttagttattc atttgataaa 420
gcattgcatg gcactgtgtg caaagctctg agctaggtac tgtggctgat aaaggattac 480
tatatagtat gaatctgtgt ttaagaaaaa gaacccccca gaacctgatt gcctggggat 540
agaatccnat ctttgntcaa gttgaatgat gaagaataag 580

<210> 729
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 729
gggagctcct gcttagtcag actgaggccc tgccttcgat ggatcaagct ggcaccccca 60
gatcaataaa ctggctcatc tggtcttgng gcctccatcc aagtaccaac tcagtgcaag 120
aagacagctt cgaccccgta tgatttaatc tccaacctga ccaatcagca cttctactcc 180
ctggcccccc acccaccaaa taatcctcaa aaaaacccag tctccaaatt ttcaggaaag 240
actgatttga gtaataataa aactctggtc tcccgttc 278

<210> 730

<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 730
tttaagtact ctggggnnct ancctgcctt tnngncatca atttnttttt ttttngaaat 60
gggaggacct ttttcaacga cnctggtttg ntttgtggcg tttccttttgt gggaaccngn 120
ngntcttttt ngttngtgag aaanttcngn gattccttgg aattttcnct tacttttnct 180
ttgcntggtg natnccttta ttgggtngcc gggctgggan tttttttttgc ttttttaatnc 240
nattgtggtg gtcttcnaaa ngaaaaccnc ttttagaagg gcaaanaaag gcccaaaaaa 300
gccnattatt ncctgggntt tcttcctttc cnnggaaaaa ggggaaaaaa aggacccccc 360
caagccangg ggccaaaggg gggacccnan aaaccccgct caaaggccca nccaaaaaaa 420
ccttnggcca aaggcccacc caangggccc nagcnnanaa gggggaaaaa gaaaaanttg 480
gacctttttgn aagggaaggg cttnccttgg ttgttnttgg aaaaccgggc angttggtat 540
tttttaccaa ccaaattatt gttttcccac ctcttctttc cctttgnctt tctttttttt 600
gggaaatggg ggtttttcnt ttttttcccat tttttcattt tacccaccct ttttggcntt 660
tgggnaaaaa gaaattgggg atttaaattg ggattttctt 700

<210> 731
<211> 353
<212> DNA
<213> Homo sapiens

<400> 731
ggtcttactc tgtcacccag gttggagtgc aatagtgcaa tcttggctta ctgcagcctt 60
gaactcccgg ctcaagcaat cctcccacct ctggctactg agtagttggg attgcaggtc 120
aagccaaaaa gtgatcggcc attcttttac cgggttccag ccaactctgt ccgctaaccc 180
ctatgacaga ggagatggga aaataattga gctgctacct aggaaggcac aaacatttcc 240
tgtggtgagg acttaggaag cagtgccagg aatcgggcca tcggaaggcc taagcacact 300
gggcacaggt tttctgcccc tagcaaggga ctgacaataa agtcaagtga agc 353

<210> 732
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 732
gttagtgacn tcattataca ctcgagccag aaatctctcc aacttttca tgctactcat 60
tcaagcaacc agacatcagg ttccactact atcttcttca gaaaagctat ccagatcaaa 120
gcagaagccc aactctcttc tgctgcgttt caacagggac tgcttacgtc cagatcatcc 180
cagaggattc ctgtgttagc tctattagtt ctaccttcct tgagaactgc tacatagcta 240
ccattcaata aaataaatct cagcgt 266

<210> 733
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

<400> 733
cacacagctt cctgagcaac tttccacctc cccattcatg cctaacttga aaagtgtgtg 60
ctgaatgtgg atggacagtc attctagggc agaagccatg gaaatccaag gactggactg 120
aagaagatct agatgccgca tctctaggct atccgtctag gctatccggc tgagacaagg 180
ccttctgcag cccagctcac atatggtata tttcagccag cgagagctca actaactgca 240
gaacatccag cactgcatgt catatcgtgt cacccacttg ctgagggcaa gcccagcatg 300
gtttggtctg aagctgactt gaagagctga gagttcaaga cttgtcactg ggtcccaaaa 360
aggccctgtg agcctggagg cagagcccag tcctgtctca accaccaggc tcaggactgg 420
gggctttccc gaggatagag tnacacccgc gcgcgcacac acacacacac acacacacac 480
acacacattc attctgtttg atggnggagc tcctttctta tggagagaca cttttcaata 540
aaaagaacat atagggtgct tnttctgcaa gctgcactgg cctttcgcta ccccaaaacc 600
tcttctattc agggagtccc tntntgggnt gggagcacca acactggtct taanaactcc 660
ctggcattac tttttccaa 679

<210> 734
<211> 375
<212> DNA
<213> Homo sapiens

<400> 734
agtctcgctt tgtcacctat gctggagcgc aatggcatga tcttggctcg ctgcaacctc 60
cgcttcccag gttcaagtga ttctcctgcc tcagcctcca gaagaggtgg gattagaggc 120
atgcaccacc acacttggct gatttttgta ttcaccatct ctaccaggcc aggctggtct 180
tgaactcccg acctcaggtg atccacccac ctcagcctcc caaaatgctg ggattaaagg 240
cgtgagccac catgcccagc tgctcaacat ttcaaacaga agtttaatta tgaaaagaga 300
attaaatggc aatttttacc agtaagacat aagcctaaca tcattgactg agagaagtaa 360
atgctgtcaa aagat 375

<210> 735
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 735
tcctggcctc cttcagngag atgttgagta ggtttagcca gaatccactc ctacccctga 60
tgtttccttt cactgaccgt cccgccacga ccactcctgg gctgtaaatc ctcacttgtc 120
cttgctgtat ttggaatgga gtccagttct aaggttcaag agttctaaga gtcctgaggg 180
ctcatttctc ctattgaaat agttcctgag taaaatctgc ttttatggct ct 232

<210> 736
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 736
actgagccaa agccaaaatg aacatgtgcc ttgtactaag aaatcccagg attgtcacaa 60
cttgtgccag ctgttgaggt tgtgacacct gtgccagcat cgccggctct gcccactgtc 120
atctgttcca actgttccat ctgcactgtt tgtaccaatt ctcccatttc tgcatctgca 180
ccttctgcag aaacgtttcc aacaatgcca gctgtgtcat tggtgccaaa tatgccagat 240
gttctatttg tccaccctgg gccaaatcaa tgcagttttg tgctcattag ttttagctgg 300
tagattctat tttacaattt tttgatttgn attttgattg aatccaggca aaatcccccc 360
ttcaaagatt ttgtgtctat ctatccatct ctttgcaacc ccaactttat atctgacaac 420
atgaagttgg tcaatgttat tcccgatctt attaaaccan cccaatatta agtgngggta 480

ggggcatttc ctacccgtgt nagactatat atcgcaaaaa ccatgcaaca tagggataag 540
ttggcaaaag tnanttaaaa aagaatacac t 571

<210> 737
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 737
tgggctccta cctcnagctc ctgtgatctg gtggtggggg gccacccacc ctcctgcttc 60
agtgatcaag aactgaccaa gcttgctcat cccaagcccc cagccacaag caatagggga 120
tcccggtaaa ggtttgccga cctaagctgg tngtgatgaa gccatcaaga tgatccctct 180
ttctgtttgg agggtgctaa atccggcagg ggccattgaa gcctgggatt tactaagcaa 240
gaagccttgc cttgaaagat gccaccaagc acaagaagat gggccaaaac canaggagcc 300
taagaagaag acangaatct caagttgatg atatcttgaa gccatccaag aattccagcc 360
caccatcttg aaagtttaaa aagtcttgct caagggactc ttgagggtac aagggaaggg 420
taatacattt ttgtatcaag ggaaattgga aagtgggggc ttcttttt 468

<210> 738
<211> 146
<212> DNA
<213> Homo sapiens

<400> 738
acccaggtga ccgctcacct ccccttcctc ctggagcctt gaagtcggag gccctgagcc 60
atggacggta tctgaggatc ggtttagcgt atctggccgg agaaattggc aacatttgct 120
acgaataaaa cccaagcgtt tccagc 146

<210> 739
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(693)
<223> n = A,T,C or G

<400> 739
tttctcacag gacaacacct gtcatgtgtc aacaactgtg tgaagaatga caaaaagaca 60
ataggacaag ctcatttcct gagcttgtag ccgcagaatt gggccaggtg cttttaatcc 120
tcacagctgc tctgcaagcc tttgccctgc ttactagact gaaaatcatg ataaagctga 180
gactttccct gactcacctt tgaatcctct atgaatctgc cgagctaaga agaccacctg 240
acacttagtg gatactaatt caacagtgtg ctgacccagt atgcaaagga ccatgggcaa 300
tactctgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgngc cctctcttgc acactttgca 360
aagcttgaaa anggaagtan gcantgacca ttttatatat tgganaccag cgtatatggg 420
aaantgangc attaagaaga aatataacnt gctttaaact acacatcaac tgnantggca 480
naactcggag ntagatggat gagattntgc ccccacaaga cttacaaggt gtntgngaag 540
gngttnctgn aagaaantan catttnaann canctgnngg gagnaaanaa aaacccctnt 600
gncatngnag nnggggcntn atccancccg gngngggggc aaannnaaca aacannnggc 660
nnnggaaaaa gcnannttttt tttttaaagt ttg 693

<210> 740
<211> 181
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(181)
<223> n = A,T,C or G

<400> 740
tggggagctc ctgcattaag tcagaactng aggtggaggn cccnncattc ntccanagga 60
tgcngcanca agacaccntn ttggaagcag agcagccctc accagacacc aaatcggcca 120
gcccattgat cttagacttc ccagcctcca gaactatgaa aaataaattt cttttgttta 180
t 181

<210> 741
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 741
aaatatggaa ttcaaaaggt cattaagaan aaaagaaatt ctcaagttcc ttctgaattt 60
ctaataacac gggaaatgag gcttcagtgc tcaacatgcc aacatgcttg gaaattcttc 120
aataccatga cctctaaaag cccagctaat ttagtgaaaa gagaaacaag ggtcctgcat 180
accaatgaaa ctgctgacat cagctgatct gaatgaccca acaaaaagct tacatacaca 240
aagaatgcag ttttcacatc ctaatcattt cattctcctt accctgacca atcaatgatc 300
ccaatttgcc agtcccatac cctccacaat tttcttaaaa accccagatc agtatattcc 360
ttggggagat ggattttggt gttttctgcc atctccttgc ttggctgtcc tgtgatcttt 420
aaacactttt tctgctgcaa ccctgctgtc tcagtgtacg gatatgttac tgtgcagagg 480
gcatatgaag ctgttggcct ataatattat gatggcatta gtggccttat aagaattaag 540
aagagaagcc nggcacattc gcacgcacct gtagtcccag ctactcanga ngctgaggca 600
ggaggattgc ttgancccca ggagttaaag gctgcagngg gctttganca tttntttgan 660
nanccactgn actcttacct gaacaacca 689

<210> 742
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 742
ctggggagct cctgcattaa gtccacctgn ttgagtacaa ngntgnggnc aacttttact 60
gttcttacca ttgaaaaaga agtgctgagg ccaggcatgg tggctcacac ctgtaatccc 120
agcactttgg gatgccgagg cagctggatc acttgtggtc aagagttcaa gaccagattg 180
ggcgacatgg tgaaaccccg tctctactac aaatacgaaa attagccatt gtggtggcac 240
acgcctgtaa tcccagctac tcaggaggct gatgtgggag aactgaaccc tggaggtgga 300
gattgcagtg agccaagatg gcgctactgt gctccagcct gggcaacaaa gcaacactat 360
gttttaaata aataaataag tgctgagatc tcagaaaata c 401

<210> 743
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

<400> 743
gtgtcaggcc tctgagccca agctaagcca tcatatcccc tgtgatctgc acctacacat 60
ccagatggcc tgaagtaagt gaagatccac aaaagaagtg aaaatagcct taactgatgg 120
cattccacca ttgtgatttg tttctgcctc accctaactg atcaatgtac tttgaaatct 180
cccacaccct taagaaggtt ctttgtaatt ctccccaccc ctgagaatgt actttgtgag 240
atccaccctc tgcccgcaaa acattgctct taactccacc gcctatccca aaacctatag 300
gagctaatga taatccacca ccctttgctg actccttttt cggactcagc ccgcctgcac 360
ccgggtgaaa taaacaacct tgctgntcac accaannnnn nnnannnnnn nnnnnnnnnn 420
nnggggggggg gggggggggg cctttt 446

<210> 744
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 744
gtgatcatat gaatgaattt aatgtttaaa aatcacctga caactacttg caggggtaa 60
agtggaaagt gggcaaggcc aaggtcatgc tacagaatgt gactgagcaa caggggggatc 120
acttcagctg ggatgggaaa ggaaagcctc caggaggagt tgacatcgaa tcacagttga 180
atcctaanaa gtcagtcttg caaagatcta ggaaagaaac agctaagttt ctaaggtgcc 240
cagatttcat attgctcaaa cacacatgct ctacaaacaa tttatacaga caacggcaat 300
catcaccagg atcctggaga cgagatacat cctcagctta ngaaagaaga cggggattaa 360
agaagattaa aaggacccng gnctttcgga aaaacttttn aaaagtcctn nntttggnag 420
gnaanagnna aataaaangg tcccatggna aatcttttcc caaatttant tntttcaaaa 480
gactngcagg taaaagaaca 500

<210> 745
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 745
gtgctgtggc tcacacctgt aatcctagca caccagccga ggcaggagga tcacttgagg 60
tcaggagttc gagaccagcc tggccaacat ggtgaaaccc catctctacc aaaaatacaa 120
gaattggccg agcgtagtgg cccacgcctg taagtccaac tactcaggag gctgaggcgg 180
gagaatagct tgaacctggg agacaaaggc tacagtgagc tgagattgtg ccactgtact 240
ccagcatggg cgacagagtg agaccctgtc ccaaaaaaca aaacaaaaca aaacaaaaca 300
agacttattt caatggactt gtcccctctg tgtcatcatt caatcatctc tgtaagttaa 360
aatcctgngg gnggggacaa cccnaaaagg gggggaangg ttttaatttt tnnccttttg 420
aaagtancaa aaaggggaca cctgncantg ggggaaggat ttcaaaaaag ttccccatgc 480
ccttcatgaa gtttt 495

<210> 746
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 746

gctcttcccc agtctggagt acagtagggt gttcttggct cactgaaacc tctacctcct 60
gggtttaagc aattctcctg cctcagccac atggagtatt gctctgtggc ccaggctgga 120
gtacaatggc gcgatcttgg ttcacagtaa cttccgcctc ctgggttcaa gtgattcccc 180
tgcctcagct tcccaattct ggaggctgga agtccacgat caaggtgcca gcatggtcag 240
tttcttgtcc tggctcatag gccgccccca tcttgccatc ttcacaaaga agaggtgtac 300
tcacgtgacc tctcctttgt gcacaagagg agagagtgag caagtgaact cttggtgact 360
cccctacaag gacactaacc ctattnttgg aggggccccc ccctgggaac tnnnttnaac 420
ntaaatacct natttaaacc tggctccaaa aacagcccat tggactttg 469

<210> 747
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 747
aagcgcctaa gaaatgcctg tgacgttcgt gaactatgtg attgtgaatt ccaaatttga 60
tgccaacttt atgtgtaaag aagctaactc ctgccaacat cgtggctgaa tgaacagctg 120
ggactatgct taacccattc ccagcttata aaagccccat ggcagctgca gtgaagcatc 180
agattatgtg atgcaacaaa attcaaatat gaaaaccatc ttggaggccg ggcgcggtgg 240
ctcatgcctt taatcccagc actttgggag gccgaggcac ggtgcctcac acctgtaatc 300
ccagcacttt aggaggctga ggcgggcgga tcacctgagg tcgagagttc gagaccagcc 360
tggccaacat gaanaaactc catttttttc ttaaatacca aaaatttncc cgccttgggg 420
nncatgcctt gtattcccac ntnctcggaa ggctgaggca ggaaaattg 469

<210> 748
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(79)
<223> n = A,T,C or G

<400> 748
acagggaatt ttcnttgtgt acgnatcata ggtgactata ttacctgtcc aaantgaata 60
aaacanaatt taaaaagcg 79

<210> 749
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(251)
<223> n = A,T,C or G

<400> 749
tcccccaacc ttggaaatng ccaaccggcn ccaancaatt ggntttanct tgcaaccctc 60
caaatttcct ggggcttcaa aaanaccttt tttttaaacc ttccccaanc aagctggggg 120
aactacaagg cgggggccnc cactttgaaa cctcgggctt aatantggga aggtaattta 180
ctaaagtatc ttgnaaaaat ccttaatcca atattaaggg gaaaaataaa agggtttttt 240
taaaatgggt t 251

<210> 750
<211> 487
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 750
gaggaaagaa ggcggaagca cgaacggctt aattaggaag nccnncnctt anttggacct 60
ccccactgga aacacccacn ttgaacaact attcacacaa agaagcacct tngtaagaac 120
caaaaatcag gngccagaca gaaagnnatn tntntgctna actganacaa atgcacnatt 180
cattgagcca gactaaggca taagngacta ttcctctatg ttccccaaca tgtaaattgt 240
ggattcaggg aaaggctgat tgaagagtca ttaagaatgt agcatttttg ngttttattt 300
cctggaacca caccttatct anctggaact gtcccctccc cgccccncca attctgncnt 360
gttttgagag ntcctgcctt tctggaccaa attnatnggc cttttnnacc cangggggg 420
gnggggaaa atttccctaa aaggggaaa agggagcggt nccctgccnn cttgagcaca 480
tgttgcc 487

<210> 751
<211> 148
<212> DNA
<213> Homo sapiens

<400> 751
gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagagc 60
agccctcacc agacaccaaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
ctatgaaaaa taaatttctt ttgtttat 148

<210> 752
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 752
cttccagagg ctgcctgcat cacttgcctt ggggcccctt cctccatctt caacaggagg 60
ttgagttcct catcacataa catcactcgg accttgtctt ctgcctcgct cttccacttc 120
taaaagcccc agtgattaca ctggactcat ccaaataacc caggatcatc atctcctctc 180
caggatcttg ttctgcggcc caggctggag tgcagtggct tgtggaaaac tgaactcatc 240
tttataattc ctttttttatt gagacttacc tagaataatt aacatttgaa tttaattaaa 300
aacagttctt ttgtcaaact taacccaatt ctccaatact tttgtaggtc accttcttta 360
ataacaatca gaggaagaat tttctgactc tttaaaaaaa aganctaaaa aaanaanctt 420
tatngccanc acataangcn tttttttttcg ggccc 455

<210> 753
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 753
atgttgcttg tattagtcca ttttcacact gctgatgaag gcatacccga gactgggaag 60
aaaaggaggt ttaatggact tacagttcca cgtggctggg gaggcctcac aatcatatca 120
gaaggtcaca gctgatgcaa gaggcaggct cccacagcct tgagcagctc tgcccctgtg 180
gctttgcagg gtatagctcc attcctgact gctttcgtgg gctggtgttg catgtctgtg 240

gcttttccag gcacacagtg caagttgttg gaagatctac cattctagcg tctggaggat 300
ggtggccctc ttctcacagc tccaaattat atgctggata tacaagagac tcatgaccca 360
aactgggaca acaggaatgg ctttctggga naaaanaaat ttgggncccc aacccngaaa 420
aaaaaaaacc cgg 433

<210> 754
<211> 74
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(74)
<223> n = A,T,C or G

<400> 754
atacctcaaa agggagttgn tttaatgtct aacaacacag aaggaaataa aagtgcctgt 60
gattaaagtg cttt 74

<210> 755
<211> 390
<212> DNA
<213> Homo sapiens

<400> 755
atgcatttgt cattgaagaa aaacatctta caaaggaagt ttaaaagaga acccagatga 60
atatttcttc agatgaacca caaataagtt ctgatttcaa catgttctac aactccccag 120
agctgagaag ctaaagacgg ttctacaata tcatattcca aaggcatcac agggtttagc 180
tgctaatgca ataaagtggt ttttgtcttg gaagcacgca acatcatgaa taacattgtc 240
atctggaaac aatgagccaa taggcaccat tttgtgttgt aaccgagcag gcttgcttga 300
ttgtggatgc agatatgccc accctacgta agttgacatt ttgtacagac tagaagaaat 360
gtgtggtatg agatcaataa agaagtaact 390

<210> 756
<211> 149
<212> DNA
<213> Homo sapiens

<400> 756
gtgaggacac aagcaatcct ccagaggatg cagcaacaag acaccatctt ggaagcagag 60
cagccctcac cagacaccaa atcggccagc ccattgatct tagacttccc agcctccaga 120
actatgaaaa ataaatttct ttcgtttat 149

<210> 757
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 757
aaccgaggaa ctgacacaat gtccataata agaaaaagaa ggaaaagtaa gaatttcaaa 60
taatccacaa actgaaaaaa tgagattgaa tgaattcctc tttcaaaggc aaagaaaagt 120
taaacagtgg cttctacaag aaaggtgaac tccttataaa tgaaaaaatg acctttgctg 180
catttgaggt gttgtctgtc aacattatcc gtccctttg agggtagtgt catctgataa 240
catttttgag tcatgggaaa tttccggaaa cagaacagca cacagaaagg actgacctat 300
ttctcttaga gtaacatcct cgtggctcat ccacgagaaa ggaccttgaa accttgaagt 360
attctgtggn atcctgtgng tacacagntc ttttttaaa anaactttaa naccttacc 420
ttnggnggct tgnctttaaa gggaaaa 447

<210> 758
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 758
atacttcctc ttatctctta tcttcccacc tgagccacca gttcatagag ggtatgaatg 60
tctgactgcc tccaggcata cagccagaac tcactgtgtc tggacgggcc tcatactaca 120
gcctccaccc cttccaacct cctctgcgac agactgtggc tatgttcttc ctgctgaaca 180
ccacctctgc cctgatggct cctgcaactt ggacaaagtg acaaggtgaa gttcaggagg 240
ctctgtgttg ctgaagaatt ggccttgagg ttatttcatg cctgaatgac cagtggttta 300
ctaccagaat catctggctt cctgcaagga agatttgggg cttggtatct gttccctct 360
cagactcagc agacacctaa ccaccgctga aagtcactga aatcggatnt ttnccttcnc 420
aaaaanggnn tcttnanntt tggattcncc aaagggacag aggaaaaggg gg 472

<210> 759
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 759
ggatacacca ggcagaatgg agaaactgag acatcctggc aaatttgatg aggtccccaa 60
ggtctctaat ttggaatacg tcctctagca acgacctgag gcttaacatc tgctgattct 120
gtgctactgt aagatagttc ttagtttact gggtctgaaa agcaggtttc tcttttaacc 180
tctgggattt cttaacagtt gctaccggtg gtatgatcac ctgatgatgt acttttagcc 240
aactgtgtgt catcaatagg ggtttgtctg ttttaaagaa cattcaaaga aaaggaatgg 300
ctagtcatac ataggagatc ttgttagctg ggatttaagg gagacttaga gaaaagctaa 360
cgggaaaagg acgtgcattg tggangaaag gggggcngct gtnaccnttt taaaaaccct 420
ttt 423

<210> 760
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 760
ctgaacctga ctgatagaag agctaaactg atgaagcctt cagatacttt ttttttttaa 60
nactntnact ccgtngccta cactggagng caggggngat catagntnac tgcagcctcn 120
aactccngag ctnaagngat cctctngctt naccttcctg antagctggg actacaggct 180
ngggncacca tacctactat ttttnatttt ttatgganac aggctntcan tatgttgacn 240
anactggtnt tgaacttctg gtatnaagca atcctcccac cttggcctcc caaagngctg 300
ggattacagg cntgacccac ctcgtntagg caaaaaacag ctnaatggtt ccagtctttc 360
agtcctgctc ctggccaaca ntggaccttt naaaggttaa ccaagttctt tttcagggcc 420
gttggnaaaa aaaccccctta tngttggaaa ccaaaaaagg gggtt 465

<210> 761
<211> 427
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 761
gtaggcagtt tggaaacctg ccccagctgc tgcagtcata tcagacttgt tctctggctt 60
atagccatga agacacaacc acagccttca tggtattctc cactcctgat cttccagctt 120
aatatctgga ctaacaagaa acttaggact ctgaccagat gtaaaattaa catgttttgg 180
aagcggcaga gtaatgccca accaactttt ccccaacatg gggcataaac attgtaacat 240
ccagtccaaa tgtcaatcca gttttctcag agataactgc tctaatataa gaatgtgtgc 300
ttgtacagag tttgtgatgt gaatatgtaa attttattta tgccataatc tcactacagt 360
acatcaaaca gagatgcaga atgntacaaa ttcttcaact anacagnttn gggcaggttt 420
cacaaac 427

<210> 762
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 762
agtctcactc tattatccag gctgcagtgg tgtgatctca gctcactgca aactctgtct 60
ccgggttcag gctattctca tgcctcagcc tcctgagtag ctgggactac agttcacagc 120
cgcggtggcc tccagcctga ggattctcct gatacatgct actaagggct cacctgtgct 180
tgccttctcc ctgggagctg tcgactcaca gttaactctg taggttgaat acatgccatc 240
tgctctactc cctgttcaaa gccactcagc cataaaggaa taaaatagga agaagcgaat 300
ggcaatggag atgcaaaaag tgtcaacaat attttggaag acataagttg tttggacaaa 360
agacttcgaa tttaacgtca gctttctcca ttctgctgag nggctattcc tggagaaanc 420
cattaaagaa taatt 435

<210> 763
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G

<400> 763
ncaanngnnn tngtggaanc gacacatgca ttactgtaac ccacgaccac aggatgatat 60
agatcattcc ttccatccca gaagaccctt catgcacctt cccagtcaac actccctact 120
tcaagacagc cactgttctg gtttctttca tcaaagataa gttttcccag ttgtagacct 180
tcaaataaat gaaatcatac ag 202

<210> 764
<211> 292
<212> DNA
<213> Homo sapiens

<400> 764
agatggatct cgaactcctg ggctcaagcg atcctttcac cttggcctct caagtagctg 60
ggaccacatt tgctcaccag ctggcccaag accagactgg gcaacatggg tcatcctcct 120
ctaagattcc aggaccatga tcatccctct attgctactt cttagatcag cttgtaatgt 180
ccatctcccc caccagactg cgtctccagc atctctgagt ccccagggcc tggcctgggg 240

cttgctacat ggtgggtgct cagtaactgt gaggtaaata aatgaatgaa tt 292

<210> 765
<211> 121
<212> DNA
<213> Homo sapiens

<400> 765
atggagaaac tgagcctcag agtggttaac aacttgccca aggtcataca gctgggaagg 60
agtgtacctg aaattaaaat caaattgtct gattccttca aaaaaaaaaa aaaaaaaagg 120
g 121

<210> 766
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 766
acctaactna aaataaatgt gaagannaaa cacgaagctc tatgacacac ttgatcnaat 60
atgacaaaca ccnaaaattn ctactcagtg cacttacatt gcgcttacat attctggcct 120
tactactgtg ggcggcgngc ntcaggtcga aaccttctgg cttnnttgcg ggactccttc 180
tggntgggca attgcagaca cttgttgagc aaatcatcaa ggggagcaag caagtgtaca 240
ggtacaccta acgcacgcat gcccaccttg cgtgcctcgt gtgtacgcgt gcgtgctcgc 300
ttcatgtgcg aagcatcgtg gcggggctcg cctccaagct tcagcgaagc ctccgtgccg 360
tgccgccgtg cgttgctcat gtgccgtgcg ttgtgcgggc ttcacttttc gggcttcaac 420
gcagttttga aagaagcaga agccttggaa ccaanangaa tctcaaagta tgtggtngct 480
tgcaaaaccc tttcttcgct tggcctgnaa naaaatccaa gggactct 528

<210> 767
<211> 309
<212> DNA
<213> Homo sapiens

<400> 767
gtatgagagc cagatcctgc agcccgtagc ttaggaagag cagtctctac ggaggagcag 60
gaaccaggac tcccatagtc tctctctggc ctctgtgctg tctggcaaac agccgtgtcg 120
ccttggcctc gaaccctgga gcctgcctca ccaggagaca gaatcaagga caggggcctc 180
gccttggcac caggtggccc ttcgtgtgcg tacataaaca cttttcccag gatatgaata 240
aggtccacag gcactcggga ggaatgggtg tgttgcgatt tacggtcaag gagaccagga 300
tgtcattgc 309

<210> 768
<211> 384
<212> DNA
<213> Homo sapiens

<400> 768
agaagaaaaa ggcctcccac agagaatggc caagccaggt cactgctatt tcccaacaga 60
aatgaaaact ggaattgagc catgtggaaa gatggaccag gccacaagaa ggtcttcggg 120
acaaccctga aagaggtgac ccagggagac agagtccagg gtcctttcaa atcactgctg 180
gcaggagcaa agatcaagat aggtgaaacc tgatattcaa atgcaggcgt ggaaaaagaa 240
taggcacagt ggttcataca tgtaatctca gagctttggg aggccgaggc aggaggatcg 300
tttgaggcca agatttcaag gctacagtga gctatgattg caccactgca ctccagcctg 360
ggtgacagag caagactcgg tctc 384

<210> 769
<211> 368
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 769
gagaggcaac gtttcaccat gttgaccagg ctgcacgggg tccatttttg tgctcaccgt 60
tattcctaca gcctcacaga atcctggaca caaagaaaga cttaacaggg ttcattcatt 120
cctgaaccaa agcggctgaa cgatgtcaac aggaccagag aggctacagg aacgccatat 180
tttcttctac atctcttttt ttaaaaatct tatttcaatg gagtcaaact caataaggtg 240
aattaaagga aaaagagctg acccaaacaa acaagcaaac agaaaccttt tctgtcctgt 300
aatgtttagg cgcaagataa gaagtgcaaa tanagaagtt taaaaagcta attaaagggg 360
tttgtttg 368

<210> 770
<211> 439
<212> DNA
<213> Homo sapiens

<400> 770
atgcagcaag aaggtgtcgt ctatgaggaa tgggccctta agaaacctag aacctgatgg 60
cacgtttatc ttcgacttcc cggtcgtcag aactgtcatg catgctgtta ctgatctgct 120
atctcatctt gtcggttggc atatggcagc agagccaggc ctgcagctcc tccagatcct 180
gatggatctc cttcagcatc tcagaagcct agattaggta catgtaccag ctgtgcagct 240
ctacctacat ggtaggtaag cctttccata aaagtgaaga aagccccgta tgaatttttt 300
caatgaatca agactctgta taaaatcagt tggctaaaag gagagcacat ctgctcactt 360
ctgctgttta tgcaacatgc tacagaatga atttaaaagc caaacttttt attaaaatga 420
caaaattgag acaaggaac 439

<210> 771
<211> 211
<212> DNA
<213> Homo sapiens

<400> 771
ggtctcattt tgttgcccat gctggagtgc agcgatatga tcaccactca ctgcagcctt 60
gacttcctgg gctcaagtag atcctcccac ctcagcctcc cacatagctg gaactacaga 120
gtttactcca ttgctgactc ctcattgaac actttgctgc accaacccaa ccaactcaga 180
gggttagaga attgtttgag acccctccta c 211

<210> 772
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 772
gctccatcgc attacaggag acgtcagaaa ctgtaacgcg catggtcttc tcccgtcctg 60
gaattttcat cggtgatcat gactgccacc cctaccgcgc aatttcacaa gtgggctctt 120
ataatcccac aacagccctc tgacagaggc actgttatca ccccgcttta aaggagagga 180
agcggcgggg caccgtggct cacacctgta atcgcagcac ttcgggaggc caaggtgggc 240
ggatcacgag gtcaggagac tgagaccatc ctggctaaca cagtgaaacc ccgtctctac 300
taaaaataca aaaaaaagtt taggcaggcg tgatgggaca ccccctgtag tcccaactac 360
tcgggaaact gaggcaagag aattgctgga acccgaaagg ggcaanggtt gcagtgagcc 420
gaaaatcacg tcatgctctc tagccctggt gacagaacaa gacttttgtc tcaaaaa 477

<210> 773

<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 773
atctacctac gttaagtcag nnnactanan ggccaacaga anacttngaa aaaanggaag 60
ggaanaaaga aaaagaangc accaactctg caaagttctn tggaatctgg gaagtcaagc 120
ganggcttnt gccttnttca tggtgaccct tttgagcaag ttcagcctgg ttaagtccaa 180
gctgaattgg cctcgctggc ctatattgaa ttctatatgg ggcccgctat ngggccaaat 240
tcttttggct ttttaccctg gggaaagaaa atactcatta aagccacctn ttgttattta 300
cccccaaatc ttcacaaagg aaaaaaaaac naactcccag caaaagccct tttttggcnt 360
ngnacctggc tccttttgaa aaccagtggt gccntgccca nngaatncct ttgccccctt 420
gtgcccccgc ccttacnact tcnatccccc accttaccnt ttggtcccac ttcttggncc 480
ggncnacaag ntttcaagtc canggtccnt ccatnccttt ttctttccac tttcatttaa 540
cccacctaaa agaaaaagcc cttcctt 567

<210> 774
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 774
ccgctcatat tcagggcang angtaacagn gcggaattta anacgcaaag naagattttg 60
ttggagaana aatgagattt ctttgncnag gaaccagccc gnccttttga gcaagttcaa 120
gcctggttaa gtccaagctg aattggcctc cgctggccta tatngaattc tatatgggcc 180
ngctattggg ccaaattctt ttggcttttt aaccctggga aaggaaaata acttcaataa 240
aggcccnccn tntngttttt aaccccccat tcttttnana aagaaaaaaa acgg 294

<210> 775
<211> 217
<212> DNA
<213> Homo sapiens

<400> 775
ggaccacact tcacaaaagg gagcaagaag gcagataacg gcaaagaaaa atgtttgtag 60
tttactgtgg aggaccaagt gagtttatac agatgtttac ctcctttggg attatttgct 120
gctggctaga atgaaaagac aaacattccc ttcaaacagt atgccattgc ctaataattt 180
tgcaagctca aatgaaatcc aaccaaattc agaattt 217

<210> 776
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

<400> 776
gcatcagcaa actttggcan cagaaagcan aggactccag gcactgctca tccctacagg 60
ctgctgggtg aacaccctcg ccaaagaagg agactgcaga aatcctcctt gatggtatca 120
gctcactctc tcttaaatgt tcatccactt ttaattattt acaactaata aaacatgtaa 180

taacacggtc c 191

<210> 777
<211> 284
<212> DNA
<213> Homo sapiens

<400> 777
agtaaataat ttcaagtact gaactaattg ctggctcata aggcggagtg ctactgcatt 60
tctgaacagc aggctcaact gtctaaaaca ccttttctaa agcatgaagg aggctgatgg 120
ccatgtcaac gttttcctca agatcaagga atcaatcctt tacgttgtgt aatgaaagga 180
ttcattctgt tgatttcccc catacaaatt atgtgttcca cagatgaatt tctgcttcaa 240
cctctcggga ggcttaataa aaggccttga ggctttgaaa tgac 284

<210> 778
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(102)
<223> n = A,T,C or G

<400> 778
ggacaaagct tgggccgcna gntctccctt tgggcacccc ccaccctcct tggnacaang 60
cctgatgtnn agtcttgggt gcgactcata ccggcctggg aa 102

<210> 779
<211> 369
<212> DNA
<213> Homo sapiens

<400> 779
gagtcaccag gttcacggaa caagctccaa caagcaccct gtgctcagcc acatggcacc 60
tctcctgggt tctgcccatt ctgcgcggcc tctgctctgc tcaaatggct acttaccttg 120
aagagcttcc cctctaggct ctacctgaac ctcactctct tcgggaatca gaagataaat 180
catttccaca caatatccga aaaggatgtc actctttcta ctatgtattg tggattctaa 240
gacacacacg gtttttcaca cttggacatc tctgaagctg gggatgtatc ttataatcca 300
agttgctcag ttataattag catttttttct ttctcagtgg tatataaaac aatgatacaa 360
cttcaaaag 369

<210> 780
<211> 174
<212> DNA
<213> Homo sapiens

<400> 780
ggacatctga atcaagctat gtaaaggcaa aacctacctc atgctcagag actcagcatc 60
ctcactgaat gcgtcatcac gcctgatgaa gcacaagaga aaacaagaga aactgaagat 120
catctatatt tagtgctaga aaagaatcac aaataaatat taaaatacac actc 174

<210> 781
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = A,T,C or G

<400> 781

gtcatgtgac ccaagaccat cccataagcc ntgantttng gantttggt ggancngcnn 60
ggaaaaanaa actttncntt cattggantt ggaatggann agggcggtca gtttgaattt 120
gcagggnctt gccttgcggc ccatgggaaa gggcttgccg aggactggaa nctaccaagg 180
agggaggcag aggacaccgg atgtgggtga aaatacgggc cctaacacat cattttganc 240
cttggattca cccctgcctg gccttgaaac caatacatta ggccccaaat atattattng 300
gaatatatat atttnggaat atggtgtatt tagaanccaa tttattagaa acccaattt 359

<210> 782
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(194)
<223> n = A,T,C or G

<400> 782
tgggatcaaa gaaagcacca gtttctgaag acatttaata cctgaggnct caagactagc 60
acaaacttca tttttaaaac aatctacgtt gccttgtttt atgtntaaga tccaaangtg 120
ctagacnagt tctttattgt caatctacca tgtgtgcgac cancaacnnt taaggatgac 180
ttttgttaaa tatc 194

<210> 783
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 783
gtggcaaccc tgcataaatc aaatctatca ancaccattt ttccaacaac atatgctcac 60
ttttcatntg ggtcangcat tttttancaa tattttaaaa ttaagatact gccatctttt 120
gcaaattgaa ggtttgcgga aaccctgcat ggaggaagtg tatcggcgcc atttttccaa 180
cagcatgcgc tcactttgtg tctttttttca cattccccta aagagggaaa cagcacagga 240
ctgggcagtg caatgcttcc atagtgcacc tcattgcatg gaccgttccc ctgaggctgg 300
tgggcaagcc agcgccaagc aacccactct gtgatcaacc cactccccat gggaagtctt 360
gcccttggtg gcaagtgttt ccatagtaaa 390

<210> 784
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 784
ctnacntntn nagtccaact gagnannaan gcattggtct nganggagng aaggnnattc 60
cctnagaggc cacaaaccag ggaacgccan gggcggctga agctaccaga agagccagga 120
gaggaaccag ggatgggttc tttgccttac agccctcaga ggcgccaacc ccgctgacac 180
ctggatctcc attcctagcc tccagaactg tgcaagagta ccgtttctgc ctctttctgt 240
aggaaaccac ccagggtgtg gtgatttgta tggcagcccc cgacactctg gcaagctcca 300
tcccagcgtc ccctcctccc atcagctgtg acctcatgtt cctctcctgg actctgttgg 360
actcatggca agaatatctt aataaacgca tgttaaagc 399

<210> 785
<211> 117

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 785
gactctggga gctcctgctt ananctnnnn tgttagaatt ggaagctaaa gctaccaaag 60
acgtagaaag aaatcttagc agggatttag tgcaagaaga agaacagttg atggaag 117

<210> 786
<211> 262
<212> DNA
<213> Homo sapiens

<400> 786
gaagcccctc tggatgcagt ccaccagaga ggagcagtcc attatcaaag aagattatgt 60
gggctggaga cccaatgcag gagggaagca gcaggagttt ctgggaggat ggcagaggga 120
gatgacggga taactgcact ccaggtggca aaagcaaccc atcctgacag gacagtgtga 180
cccaagagcc atgcacagta aggggtatca tcgccatgcc ctctgcctca tgcaatctta 240
aataaatatg aatatattca ac 262

<210> 787
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 787
gnnggaaagc tagncgnncn tgnannncga gtgctggagg aagnctgnan acatctacnc 60
cacacanaan naagncnatn attnacaggg cattttacta atnanangcc atgctgggnn 120
ngcagnggtg cantttngnc tnactgaann ctctgantgg nggggtcaac gatccctccc 180
acctcagcct cccgagtagc tgggactaca gaaattattc ctttgcaggt ggtgcaaagg 240
atcagcacgg gagttttgac ctgctccgtt tccgacctgg gtcggttcac ccctccttag 300
gcaaccctgc ggttccccgc tccagggagg tcaccctctt gatgctgaat ttagcacgga 360
cacctgatgg gcacagtgca ctgcagccca gagctcctga gctcaagcca tcctcctgcc 420
tcaacctnca agtagccagg accacaggcc ccccccttgn ggggaagaaa taccaggtgc 480
gcatgcttca anaaaaagcc gctgaggacc cgg 513

<210> 788
<211> 284
<212> DNA
<213> Homo sapiens

<400> 788
gaagccaact ctcagggtct tcctccgctt ctgttctctc atgccccttg gtggaggctc 60
ccagatggac gctcagacac ggaaggtcca gggagatgcg tggatctgcc gccatgtggg 120
tggaccaagc tgttgcctcc attggaagcc tctgtccggt gccacatcct ccctgggttc 180
cagtccccac ctgccaggtt gacaattagg caatttgatt tactaaggag aagacaaaga 240
aagaaaagga gaaatatttc aagaaaaaaa agactgtgaa aaag 284

<210> 789
<211> 400
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 789
ctggggagct cctgcattaa nncnganttg ttgganntgt gtnacagana aagactcggn 60
gaatgccnca canngatgaa ggcangtgat gcatctacaa ggccaagaaa tgtcaaagac 120
tgcctgcaaa ccaccagaag ctaagagcaa aagcacaaaa gcgattctct cccacagccc 180
tcagaaggaa ccaaccctac agacatcttg atctcaggtg tggagcctcc agaactgtaa 240
gacaacaaat atctgctgtt ctaagctact tagcttgtga taatttgtca aggcaaccct 300
aggaaataaa tacagggaac ttcaaaaaaa aaaaggcngg ngnggncnnt naanttnggn 360
nttancnagn cngantttgt tnaaaagggg gggggggggg 400

<210> 790
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 790
gactctgggg agctcgattc tcctgcctna ccctcccnag tagccaggac tacagtgtcg 60
aggtcatgaa agccactgaa agactgagaa ctgttccaga aaggagacta gagagacatg 120
gcagccaaat gctccacata atcctgtcct ggattcttct cctacaaagg aaggggtctg 180
aggattaggt ggtagtactg aatcaaggaa ctatcatctc ctattgtgct gtaggatctt 240
ggcagccaga ccccagctcc cactttccct gaaagctccc tttaatgaag ctgaacgctg 300
tcccagcaat tccctccaca gaagacctac tgtcaccacc tctggagggg caattcctgg 360
aggaaccaag tcagccaatc gaaggtcctg aataagcaaa aactaagtaa ataaattacc 420
atctcgaaag tg 432

<210> 791
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 791
gtgactagaa gcatcagggg acctgcccta gacacaccca gagggcagag gggaactagt 60
tccaaggagc aggttcaagc acatggtggg gaaaagaatg aagctgtttt ctccttgtgc 120
cctccaaggt tctcctctta caatatacta cttacctcgt ttctcctgga attctcaata 180
tcctgctagc ccagcaggtt gaaagatgtc atcagcacgg tgactggctg agatcaaatc 240
ccatttttgc acttaatggt ttgtaggaaa gtagacagaa tgctatcctc cacgtacctt 300
gattcactta tctgtacgat gtggataatc gtaggatcta cctcatggag ctattgngaa 360
gattaaccag ccacaaagat cttaaatcag ggtctagctc atggtaagtg ctcaatcaat 420
gatagcaatt tatcatcatn cctcttcant ggaanaccct gatgttcatc aaaaaattta 480
atgctcatta acctctaaag aaaaanggaa aggagaaaga 520

<210> 792
<211> 350
<212> DNA
<213> Homo sapiens

<400> 792
gtcctgcttt ctcatctaca actgaaggtt gcatctttcc ttaaaagcca ttaacggtca 60
tctactgtcc atggggcgga ggtggagctg attcatacag aatttgagaa tcttgccttg 120
cttaccatct aaagatgact caaaagcttc ttacatccaa atgaaacgtc tcacttcgtt 180

cgtaaagaat gtggcatctt tagggttgcc ttcacagtga cactatgaaa acctggatga 240
cagcaacggc ggtggcagca aagtaaagca gcaaagtaaa aaaaaatcct gttttgtaat 300
ctccctttgt caaatcaccc acctaactgg aaaataaatt cttaaacatc 350

<210> 793
<211> 409
<212> DNA
<213> Homo sapiens

<400> 793
gctatacaaa actggtggtg ggccagagtt tgatttctgt ctcctggtgt tgatgaaaga 60
ggctttgaga aaaagatgca ggaaaactca agacaggatg ccatgctgct tttggacatt 120
accaaaaaca gcagaagagg gagccccgca aaggggcact ggtatgacct ttatgatgga 180
gaagaaagtg attacccccc ttctgcctct gcagccacaa aacagatcaa aacctatttc 240
agaacaagct aacagactct aagaaaatta tgtaagacat gaaagtatgt gaattgttac 300
agcaatcaga aaagaattaa aaaatttaaa aatgcatttt aggagcaaag actaaacaac 360
aaataaacac aacatgtaat gccctaagaa aaacagaggg gtgaaaatg 409

<210> 794
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 794
cagnacctga gtggctaagc tcctacntcc tgttctggaa ggncnttcct gaccncacac 60
atgagccata tnctnttcat acngacantn tatnggtgag ggaaaggcaa catttggaag 120
gactggacnt tttaccttaa ggggatttta aaaaatcacc acaatggact attatcacaa 180
cntnggattc aaaatttatg gatttccctt ccttttggtt acccaaaagg tggacttngg 240
aagaaaaaga ngaagttggg agcttaaaat aaaccg 276

<210> 795
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 795
atggagtctt cctctgtcnt ccaggctgga ttgcaagtgg caggatctcg gcttactaca 60
acctccgcct cccgagttcg agtgattctc ctgcctcagt ctctggagta gctgggaata 120
caggcaccca ccttcgtgcc cagctaattt tttgtttgta tttttgtaga gaccgggttt 180
caccatgttg gccactctgg tcttgaactc ctgacctcag gtgatccgcc cacctctgcc 240
tcccaaagtg ctgggatgac aggcttcagc caccgtgccc agccaagatc aagttgttgt 300
tggcagggct gcactccctg caaaggctgt aggagacaac ccatctttgc ttcttcagct 360
tctaggggct tccgcagcat gccttggcgt gccttgcttg nggctgcatt actccaatct 420
ctgcctgnat ggcaaaatac cttctnctgg gccatctatc ttcctgnggn cacttataag 480
gacaggtatc attggaatta atggccctcc 510

<210> 796
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(255)
<223> n = A,T,C or G

<400> 796
atggcagctc tcaagatctg tccggaaaag tctagaagcc tccagatttc taatcaacag 60
actagcgctc ctcctctgta actgaggaac aagatgccaa ggagacagga gaaagaagag 120
aatnccttc tngtttnggc cntaacccnn gaancanant ngnccntgan cntngtaaat 180
aagttacatt tctgcagagg tgcttgacgt tcacaccgtt tggattgctt tattaaaaga 240
ctctttttag agccc 255

<210> 797
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 797
ttgaatacaa ggatgtggtc aactatactg ttcttaccgt tgaaaaagaa gtgctgaggc 60
caggcatggt ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttgtggtca agagttcaag accagattgg gcgacatgat gaaaccccgt ctctactaca 180
aatacgaaaa ttagccattg tggtggcaca cgcctgtaat cccagctact caggaggctg 240
atgtgggaga actgaaccct ggaggtggag attgcagtga gccaagatgg cgctactgtg 300
ctccaacctg ggcaacaaaa caacactatg ttttaaataa ataaataagt gctgngatct 360
tcngaaaaat aaaaggnnan nnaagnnggg nccnngnggc caattaacct tgggaattna 420
ccnggntgan gtttttttaa agggggggg 450

<210> 798
<211> 206
<212> DNA
<213> Homo sapiens

<400> 798
ggtcttactc cagttgccca ggctggagta cactggtgtg atctcagccc actacagcct 60
tgacctcccg gactaaggtg tttctcccac ctagcttgat gactttattt gtgtactttt 120
ctgtattcca aatcctttgt aatgactatt gtaaaggatt acattatgga gctcaattat 180
ttaggaaata aatccctcag acactt 206

<210> 799
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 799
gacgtctggg gagctcctgc attaagtcag aacttgaann ggagcttaat ggtggccncc 60
aagctngang tgncaccggg aggatcttaa cttactggaa nctttngctt ccgggttcaa 120
gcgaatcttn nacctcaacc tnccgagtag ctgggattac agacgccccc ccttatgctc 180
ggntaatttt ccgantttg gaaaaaaggg gnttcaccat tttggccagg ctggncttga 240
actcctgacc tcangtgatt cgcctgcctt ggcctcttaa aagtgctggg aatacaggcg 300
tgagccaccg ngcccaaccc aaacgtttat tttctaattt acaggtcagg gggaaagaaa 360
gntttatttt ggtttgcttt ttcccttgag gaactgaatg gtttctcctt tctgaattta 420
aaggaaaata acttactggg ggtctctttt ttgccctcaa aatttgctan cccagtaagn 480
cccttgcagc tctgttattc tttataanca acaatgcccg ctttttnccc nccctgaatt 540
ttcttggggt ctactgggct taaccctcat g 571

<210> 800
<211> 204
<212> DNA
<213> Homo sapiens

<400> 800
gctacaggga ggcactggaa gaatttaaag tgggagaatg atatccattt ttcactccaa 60
gttgaaaagg cacaaaactg gaggtaaaga agtctacata ggaggtcaag gactcctttt 120
ctggattatc ctaattaact attaagggag aagaattaga gacctagatc ataacagata 180
attcattaaa ctagaacttg gaag 204

<210> 801
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 801
gtaactccct tcccaaccca tgggagacaa agtggctggc ctgcagaagg catccaggag 60
ggtgacgaaa atgaatccaa ctaaaaatac ttgcttcctg agtcttcctt acaattagga 120
gtagccttgt aaccttgttt agccgacaag aggaatgtcg agatttgcag ggagttttgc 180
tccgttgccc agactggagt acagtggcac gatctcagct cactgcaacc tccaactccc 240
agattcaaga gattcctgtg tctcagcctc cgaagaagct gggattacag gcatgcaaca 300
ccaagcctgg ctaacttttg tatttttagt agagacagag tttcaccatg ttgcccaggc 360
tggtctcgaa ctcctagggg cctcaagtgg tccacctgcc ttggccttcc gaagtggctg 420
gggttacagg catgagccac cacgcccggc caagacaata acatttttaa tcctacatca 480
aaactttaca tttcaaaaaa tgcattttct angctgagac atttttat 528

<210> 802
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 802
ttgaatacaa ggatgtggtc aactatactg ttcttaccgt tgaaaaagaa gtgctgaggc 60
caggcatggt ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttgtggtca agagttcaag accagattgg gcgacatgat gaaaccccgt ctctactaca 180
aatacgaaaa ttagccattg tggtggcaca cgcctgtaat cccagctact caggaggctg 240
atgtgggaga actgaaccct ggaggnggag attgcagtga gccaagatgg cgctactgtg 300
ctccancctg ggcaacaaan caacactatg ttttaaataa ataaataagt gctgagatct 360
cagaaaattc ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnggggggc cgggggncct 420
tttttntttt natttaaacc gggttanttt tttaaaaagg gggggggg 468

<210> 803
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 803

gcttatgtgg gactgctctt cttcncagaa cagtggctan natgacantt ttattatgat 60
ncacttccac ttaatgaaca gcctgagccc cttcaccttn tgccatgngt ggaagcagcc 120
tgaggacctt cccnaagggc agantctggt ggcatgctcc ttgtccaatc tgcagaacta 180
tgagccaaat aaaccatttt tctttataaa tt 212

<210> 804
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 804
attattttgc ccttctgcct tcttccatgg gaaanactgc aatgaaagcc ctggccacat 60
gcanccccct catgttggac ttnccagtcn tnagaaccat gagccaanta aacttctatt 120
gcttatnaac tactannatc tcaggcatct tgttaccgga gcacncantg gtctttnaca 180
tttaataatg tgaaatgcnt tggagtntgc tttgtacatg atnagcactg antaaatatt 240
anagatcctt angngggganc nntncattgn tacctctctt ataataattt aaaagttata 300
aaaccaaaaa gccttcgaac tgt 323

<210> 805
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 805
accgagtctc gttctgtcac caggctggag tgcagtggcg caatctcggc tcattgcaac 60
ctccacctcc caggttcaag tgagtctcct gcctcagcct ccccagtagc tgggactaca 120
ggcgcacacc aacacaccca gctaattttt gtatttttag taaagacggg gtttcaccat 180
gttggccagg atggtctcga tctcttgacc tcgtgaccca cccaccttgg cctcccaaag 240
tgcagggatt ataggtgtga gccgctgtgc ccagccgccg ctgaatgtat ttcttaccac 300
caatctgttc agtcattact attccttccc cctttcctaa gtaccatggg aaatgaagca 360
taaagcactc aaagtccaag gaaaaggcaa cattcaggat cagttncaga atgtctgnct 420
ctttcagacc catgctccca ccagttgggc atgcattctt caacttggat gcctatg 477

<210> 806
<211> 324
<212> DNA
<213> Homo sapiens

<400> 806
tttttttcta gtgttcaaag gccggcggat catgaggtca ggagttcgag accagcctga 60
ccaacatggt gaaaccccgt cttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120
gcacctgtaa tcccatctac tcaggcggct gaggcagaag aatcgcttga acccgggagg 180
cggaggttgc agcgagccaa gatcacacca ctgcactcca gcctgggcga cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttttaaaa cttcaataaa aacttaggtc 300
ccattaaatg gtaaatctgg ctcc 324

<210> 807
<211> 288
<212> DNA
<213> Homo sapiens

<400> 807
ctatgtcctg cttctccact tacaaggtca tatgcaactc gaatctctgt ctacccacct 60

ggcatccacc cttccagacc ctgcttaaat gctacctcct caaatgccaa cgaactccaa 120
aactcggttg ttcattctgg tggaagctga tctctccctc cttggcagcc tgtgtccccg 180
tgatgcgttt tgtaaacttg cagctacttt gatcttgtct tggattgtac ttgggtctta 240
ccttaaccct tggtccagat ggcaaatacg gacagcccct gtgagctc 288

<210> 808
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 808
gactgcccca gtctacacaa atcccttcct tctagcagac tgagtcacac aagaataagg 60
agagtgaagt ctacatgttg gggactagag tgaatcgaag cttttctgga aggagctccg 120
tgaacctggc tttgagaatc tataaaaaac aagccaagta aaatgtccaa gaggtagtgg 180
tgctgaagaa tccaagaact tttcgaaata cttaacaaaa ctatcacaaa tgtattccaa 240
taaaacattt tgcgatagca nannaaaacg aaaaaat 277

<210> 809
<211> 418
<212> DNA
<213> Homo sapiens

<400> 809
gaaaagcacc aaggatggag cagcctggcc tttgccccat gctggttcct gcaggtgcaa 60
agggagaact actgctaatg ggacagagaa ggtccatgct gcacatggtg cagagatcaa 120
caggtcttga gcctccagag ctgtcagcct agtgcttttc atgcgcctta aaagtgaatc 180
agagagaaaa caaagaaggg tcactcttga gatcttcagt ccctggcatt gctggaagta 240
aatatgaagc atctgggaga aacagagact atattcaaaa gtttacataa aactgaacag 300
aggagggagg cggagagggg tgactggtga tgttccagag taaaaaaaga aaaagaatcc 360
ttttcaaata tattggagaa ctcctactac tcatcattca gtaaaagcca atggaact 418

<210> 810
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 810
gagtctggga gctcctgctt aagtnnaact gagttgaata canggatgtg gtcaactata 60
ctgttcttac cattgaaaaa gaagtgctga ggccaggcat ggtggctcac acctgtaatc 120
ccagcacttt gggatgccga ggcagctgga tcacttgtgg tcaagagttc aagaccagat 180
tgggcgacat ggtgaaaccc cgtctctact acaaatacga aaattagcca ttgtggtggc 240
acacgcctgt aatcccagct actcaggagg ctgatgtggg agaactgaac cctggaggtg 300
gagattgcag tgagccaaga tggcgctact gtgctccagc ctgggcaaca aagcaacact 360
atgttttaaa taaataaata agtgctgaga tctc 394

<210> 811
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)

<223> n = A,T,C or G

<400> 811
gttcctaggc cccatccgag gcactgaata acaatctaca gggaagaaag acatcagtca 60
gattccaaaa cctcccacgg tctggcgata aacatcaagg aatcaatggc agaatacttt 120
cctgagaaat tactccatgc ccttgggtct agtgaagcct atttcatcca tctcggaggg 180
tccatattct gtgagaaaat ggccccgtca ctcaagagtg atgaaatccg tggagcacgg 240
ctgggctaga aatgattacc aaagcccgtt aggagatgcc aacagagact atattaacca 300
tcattccctc tgtcacagca atcttgaatg aaagaggaaa gaagactttc tgctggttat 360
ggnatcttcg ggaatcatct gacagcttat ttattaaatg catttaatat taattctnct 420
tgnactctag ctgaccttca gaaacattcn cgagtcntta agaaccccaa agc 473

<210> 812
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 812
gcgttatgtt tattgagagg aacatctgan gctgcgcant ctctaaggaa aagaggttta 60
tttggctcac tgntctgcng gctgtacnnn aagcatggca cctgcatctg ctcctatatn 120
agttgncagc tntgntccct cacacacaaa gggnggtgtt aagaagttac ttcaaggact 180
gatgtcagag gcnaagnact atattgnttt tctgtnagtt tctattagta gattttgtat 240
gttacagaat atagaactag cagaatacaa tgaatcttaa tgaaccattt attaccctgc 300
t 301

<210> 813
<211> 370
<212> DNA
<213> Homo sapiens

<400> 813
gaactgagtt gaatacaagg atgtggtcaa ctatactgtt cttaccattg aaaaagaagt 60
gctgaggcca ggcatggtgg ctcacacctg taatcccagc actttgggat gccgaggcag 120
ctggatcact tgtggtcaag agttcaagac cagattgggc gacatggtga aaccccgtct 180
ctactacaaa tacgaaaatt agccattgtg gtggcacacg cctgtaatcc cagctactca 240
ggaggctgat gtgggagaac tgaaccctgg aggtggagat tgcagtgagc caagatggcg 300
ctacttgtgc tccagcctgg gcaacaaagc aacactatgt tttaaataaa taaataagtg 360
ctgagatctc 370

<210> 814
<211> 212
<212> DNA
<213> Homo sapiens

<400> 814
gtctctggct ccaaagagtg tacacctgag gagttgtagc caagggtttt catcctcaac 60
tcacctgatg cagagcatga gatctaagac tgtgaacctg atgcaatatt gggatgagac 120
ccatggagat cctggaatgg gaatgagaat attttctata tggaaaaaat gtgaataagt 180
ttcaaccaga cagcagtctg tggtagattg cc 212

<210> 815
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(196)

<223> n = A,T,C or G

<400> 815
atcattcctc tgggggaaac caattgccat gtcataagca gccctgttga gaggaccaca 60
tgatgagggt gtaagcctcc tgccaactgc catgttgntg agcttggaac tgcagcaatg 120
gctgacatnt tgacttgaaa ccttacgtga gaccttntgg attcctgacc cacagaagct 180
gcntgagata ataaat 196

<210> 816
<211> 188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 816
agactggatc tcactacttg cctagctctt gaactcctgg cctcaagcaa tcctcctgcc 60
tcaacctccc aaagtgctgg gattacagga gtgagccact atgccncaca tggtattatt 120
attattgtta ntaatactac attgtgcttc ataaataatt gctaaatata caagaatatg 180
tttgtttc 188

<210> 817
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 817
gctctgaggg gctccaagaa gctggtgctg tctgtgtact caagcagggc ngcatccctg 60
ggggctacgt caccaaccac atctacacct gggtggaccc gcagggccgc agcatctccc 120
cactctcggg cctgccccag ccccacggtg gtgccctgag gcagcaggag ggtgaccgga 180
ggagcaccct gcacctcctg caaggagggg atgagaaaaa ggtgagtggg gtggggaaag 240
gaggccagcc tctcagacac cgtattctcc ctccgaaccc agaacagcag agctgcttgg 300
aggccgcaag aagaggctgg ttctgtccag gctctgtctt ccctcaagtc tgtactgaaa 360
gggtggngtt ttttctttgc ttttcttttt gacc 394

<210> 818
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 818
ggtttaccag gtaangtcgt tttcctggga aaaagaacga gttgaaagga agagcaagga 60
tccgctccgg acctcactcc tatattttgc tgagatgaaa accacaatcc ctgcactgcg 120
agactcatct cataattaga aaacaaagga ttatccaccg ggttctctcc cctcgccctg 180
tggccttgct gctcccctgc agttgctcca aatgacaaaa taatgacggg ttcgccttgt 240
gagagagggt ggcctgctca actccacgct ggcgctctga ggggggcaga agatgcctcg 300
tctcatttat gttgcaaaca gccttaaaaa ggacctgcag ggcgctgggc gtggtggctc 360
acgcctgtaa tcccagcact ttgggaggct gg 392

<210> 819

<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 819
gcaaagatta aaacacatat catgcccggg cgcagcaggc tcacgcctgt aatcccagaa 60
ctttgggagg ccgaggcggg tggatcacct gaggtcagga gttcaagacc agcttagcca 120
acatgatgaa actccatctc tacaaaaata caaaaattcg ccaggtgcgg tggcagatgc 180
ctgtaatccc agctactcgg gaggctgagg caggagaatc gcttgaacct gggaggcaga 240
tggtgcagtg agctgagatc acgccattgc actccagcct gggcgacaag aatgagactc 300
cgtctcaaaa aaaaaacaaa aaaaaccccn cncntntnaa aaggtcctgg aatcatttan 360
ntnatgggtn taanaaactt gaatttt 387

<210> 820
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 820
ttgtctattg cnccaaaggg tanaagttct tggataaaaa acctngnttg aacngaaaan 60
ggtttggaaa agtggganac ttgcgggtga tgaatnaaan aatgaantgc cattggnang 120
ctcttggtgg atgggaaatg gataaagaag tggaaagaaa tcancttccg ctttcctttg 180
cagaactggg ccctatgatc tgggatggtg ggatgatgcg cctgggaaac aagtcaagca 240
agcaacttcc cgaaagggac aaccgaagat aagcaccttt tcacaaacct tcggggaaac 300
cgttcatttn ccccgcttga aacttctcac caagcattgg gcccatctcn ggngggnngt 360
gcttcttctt tccttgggtg ccacttgact tggcttggtg gccccaacac aatgttgctt 420
ggccttacaa gcanccttgg ngggcntttc ctccgataaa aggggaacca cctttcctta 480
atttnnttnc taaatttttt tttttnnggg aatcccnggg aanacccccc cttccaagcc 540
ccttgaaagt nnnagggact taancccttg gggctttttn tttttnaaaa aaaccaaaaa 600
gggggttttt ttttggaagg aanaaaaccc tttttt 636

<210> 821
<211> 395
<212> DNA
<213> Homo sapiens

<400> 821
agacagagtt ttgccatgtt gcccaggctg gcctggaact cctgggttca agcagtcttc 60
ccaccttggc ctcccaaagt gttgcgatta caggcatgag ccactctgcc aggccaagaa 120
gtctttctta acggacccat tccaagcact tcaaccctag agtttgcatg gcagtgctct 180
gcgtttccct tcaggccagt aataggattc tggatggcgc atgggctctg gtattaattc 240
ctgccagccc acacctgatg ccaggcacac agcaagcatt gttgaaagga tgaaggcgcc 300
aacctccacc tacttcacca ccttcatctt gtccaatact gtccaaactc actttggaga 360
agaataaaca ttctttgctc tactttccac tgctc 395

<210> 822
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(143)

<223> n = A,T,C or G

<400> 822
gtcataagaa gcttacagca ttctgtggta tactgctgaa gagtggtggt ggttggagga 60
agcanatggc atgaaccctg ccttcctcta agagggtgtg aaatgtgatg attcaggctt 120
ttaaattaaa tgcataaaga ttc 143

<210> 823
<211> 442
<212> DNA
<213> Homo sapiens

<400> 823
tcagacttgg ctccacaact ggaacaggcc acagcttgcg aaagagccca tgagtcaatt 60
caacagagat gagctgggga agagagagga aataagaatc ctacccatga ttcaagtcac 120
tgtttaaatg ctgcctacat cttcatttat gcttcaacgg gatctcatga ttttgtctga 180
ttctaaatct ttctgctcca tggtaacctt caaaatcaac agccctgtga ttatggtgaa 240
accagaattc cggcagccac tggaggggag cagaacaggc ttggatatca ttcaaagcct 300
cattcccaga gaattgtcat tatttgaact gtttagtggt tttctggaag accccacttg 360
caagaatgtc tttatttgac ctgacctgct cagtgctaaa aatctaggga catttgttgc 420
gctcaattaa aaaccattgg tt 442

<210> 824
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

<400> 824
ataagtgntt ctccaagaat gatcccnaga ctngctaant gatgcntgga cnttctactc 60
tggtggatgg ccntanncgg aaagcnttgg ttgaaccnnc aaanatgggg atcaaggncn 120
tttgaacaaa gangggatct gancgcacct ttctccngca cagctttggt naangaaaag 180
gctattcacc ttntggactt gaggcnacaa caagacaatn ctgcttgctt ntnatgcccn 240
ccgngntccc gncttgtcaa gngcaaaggg gccgcccggt tctttttgtn aaagaccnga 300
ccttgtnccg ggttgccctt gaaatggaaa ctgccangac ccaggcaagc gccgggctat 360
ccgtgggctt gggccacaga cnagggccgt tcctttgcgc aacttgttgc tcnggacagt 420
ttgtcacttg aaaccgggga aaggggactn ggcttgctat tttggggccg aaaattgccc 480
cgggccaang aacctccctg gtcaatcttc aanctttggt tccttggccg aanaaaaagn 540
aatcccatca ttgggggttg aaggcaaata gccggcnggg nttggcataa cncctttgaa 600
tacccggntt ancttggcca ttttg 625

<210> 825
<211> 161
<212> DNA
<213> Homo sapiens

<400> 825
gaaatgacca gtgctttggt taagaatgca cattatactg cagttctttg gggaatgaag 60
ccacccttga ctgaggtaat catcagttca aaggcaactc cttgttttat ctttgcacta 120
attgcttaga gaaataacca gacaatataa tttatgacaa c 161

<210> 826
<211> 162
<212> DNA
<213> Homo sapiens

<400> 826
aggagaatgt gctggctctg atgttcagtg acaagggaac agagagaggt aggaaggcct 60
gaaccagcca agagacttta cctgaggtaa aaattcctct tccttcaatg cctcaaatca 120

ggatcttgaa gttggaaaat aataaaagct tgtacagatt cc 162

<210> 827
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 827
ctgttgatat cgatggaatt cctgaccagt aacatttcca tgaagatcat tacaatttat 60
ttcttgaaac tctggggagg catggaaaca tcacattgca gcagatgctg gggatgcagc 120
aatgaacaag acaggccaga tccctactct cagataaaca caatgatcca ggtcagtagg 180
catttggtag gaatctgcat caaactgttg ggcaatggta gacagcaaca ttgacgtctg 240
taaatttaca cttggatttt aagtttctgg ntggctgcat ccttcttctg aaagccactg 300
ctcttttcaa aaaaacctcc taaatggcta aanctctctg ggttgcaaca agttgctctt 360
tttccttgag ccttaagtta aggagtttgg gnagaagtaa tggcttcccc cactgctaac 420
ttcaaggngc tacactttct cttttctaag ttcctaatct ggcttacnca ttataaaaaa 480
cccttantna aaaatcccca attat 505

<210> 828
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G

<400> 828
aatcaaaaag aaggatggga caaaaatcag caaacgtaaa aggaaaaagt aggccaggca 60
tggtggctca cccctgcaat cctagtacgc tgcgaggccg aggtgggcgg atcgcttgag 120
cccagagttc cagaccagct tgggcaaccg tggtgaaacc ccgtgtctac aaaaaaaaaa 180
tttagcctgt agtcccagct gcttgggagg ccgaggcagg tggatcgcta ggactcggga 240
ggcggcagct gcagtgagcc aagatggcgc catctcactt cacctgggcn acanagcaag 300
accctgtttc caaaaaaaaa ggaaaataaa aaagtngtaa aaaaaatttt 350

<210> 829
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 829
agacctgaat tataacaagg ctgcaggagt tccctgtggc catccggacc ctgggcagac 60
tgcaggaact ggggttccat aacaacaaca tcaaggccat cccagaaaag gccttcatgg 120
ggaaccctct gctacagacg atatctctga atggtgccat ggacatccag gagtttccag 180
atctcaaagg caccaccagc ctggagatcc tgaccctgac ccgcgcaggc atccggctgc 240
tcccatcggg gatgtgccaa cagctgccca ggctccgagt cctgtgagtg ctcacaagaa 300
ttctacagtc ttggcattgt gcccctaccc ccatgtccca caaaagcct cttctgcttc 360
tgtccaattg gtcattttcc tttctggaga atgggagcaa cataagcttc tgctgaaacc 420
taccccaaaa agaaccgggt ttgaagnaca agttttgccc ttactaactg gaatggatt 479

<210> 830
<211> 505

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 830
tttgtcagtg tgcctgcgtg gcggaatctg ggccgtgtat ggaaaagata tattgaagct 60
gaagaggact gagagggtct ttttttccat gagagtctca ctctattgcc caggctggag 120
tgcaagtggt gcaatcttgg ctcactgcaa cctcctcctc ccaggctacc aagttgctgc 180
ctcaacctcc cgagtagctg gaactacagt ttacagagtt gcaggggggag ccaaaacctt 240
gccgtaatcc taccattcac tgctgtgagt aatgaccatc tgctggggac tggagaagac 300
ccacccaatc aanttgactg gcttgggttg cattgataaa aggaangnca caanaaggcc 360
aataggattg agaaccactc ttccagnggn gggaacgatc tgcagccacc cgcaaaaatn 420
gnttcactnt tccantgnag gtnttttaaa aaatctntnt ntttgacata ctctttttn 480
aaaggnngtc ccaaaccaaa taaaa 505

<210> 831
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 831
aacctgacct cttggcatct tcagagtgga aaacgaagcc cccaatcttc ctgcagggag 60
cctcatcgtt tccagcccgg cagcgacttc acacgggctc attaaactcc caaataacag 120
acttgctgtt tggctttggg gtttaagtgg cctggaacca aacccgaagt atagctgagg 180
tatgcctata gtctaattaa cttcacgaac tgcctcggga aagaatgaat gaactggaac 240
ttcatgcaaa agtgtataca ggccangcac ggtggctcat gcctgtaatc ctagcacttt 300
gggaggccaa ggngggcaga tcacctgggg gcaggagttc gagaccagcc tggcccacan 360
ggtgaaacct tgtctcttct aaaaatnaaa aaaantaact tgggcatggg gggccatgcc 420
tgtaatncca ctncnttggg aggnttgngc caaaaaaata c 461

<210> 832
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 832
aaggcaggaa tgtcaaggcc tctgagccca agccaagcca tcgcatcccc tgtgacttgc 60
acggatacga ccagatggcc ggaagtaact gaagaatcac aaaagaagtg aatatgccct 120
gccccacctt aactgatgac attccaccac aacagaagtg taaatggccg gtccttgcct 180
taagtgatga cattaccttg tgaaagtcct tttcctggct catcctggct caaaaagcac 240
ccncactgag caccttgnga cccccacttn tacccgncag aaaanaaacc cccttggant 300
gaaatttttc tttacctacc cnaatctata aaacggcccc cccttatctc ccttcactga 360
ctttttttta ngacngggcc cccctgcccc caggnnaaaa aaaaaagcct tnttcttnaa 420
aaaaaataaa aaaagnnnnn nnnnnnnggg gccgggggggg caatnnagtt nggatttaac 480
caaagngggg gggggtccaa aa 502

<210> 833
<211> 427
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 833
gagactcctt gtggagggga gcccctgccc gctcacctgg atgaccatgc ctcacctctg 60
ccgatcacat gcaaatattt gtcctgttct gagacatcct cctgggtccc agcttcttct 120
cttgaagata cagatttcca gtgcaccatc agaagccgga gtaactgtga gtgggaggca 180
ttggagccgg ctgggaggta agcattcggg ccagcaggga ggaggagtcg cccatgtagc 240
agtgctggat gacaacattc ccacactgcc ctcggacaca tcacagaccc tggtaccaca 300
ggatccctct gattcaactg aagaagagat gcanaagctt gcatgccacc aagtaactaa 360
ttcgttcttc tcttcttata tccattgagc agtgtgcagt gttggcacaa tgcacagtac 420
ttgtcat 427

<210> 834
<211> 427
<212> DNA
<213> Homo sapiens

<400> 834
gaaactctct ggatggcgaa aacttctcaa agtccataac atttatctga cacctcaact 60
gtgaatttac atttcatttg catgagtctc atgtctgcaa ctaggttgtg gtgaccttga 120
gaacgagggg atcaagagcc ttgtccagca ctgggagtgg aggtggttgg aaatcccgga 180
cccccggtcc accagccttg gcctcctgca gatgctaggc tcaggatgaa gtgcggccga 240
agactgctgg gaaaagaaaa gaaagagccc taatgtgcca tatcgggcaa gccgtggggt 300
ggcccactaa ctgctttttt atgattggca cttactggct ctgatttaac cccacttaaa 360
gagtggtggc agcaattgtg gagggcctca aagggagact gatgcaagtg agggcaaagt 420
atatata 427

<210> 835
<211> 426
<212> DNA
<213> Homo sapiens

<400> 835
aaacactcgg aaggcccagc ggggccacgc tctgccaaag agaggctgac aaggagcagt 60
gggagggagt ggtggccgca gagaggggat gaacatgttc gtgggtgcca ccacctgcct 120
ccctgcagtg gttggacttc tgtaatgtta tgcaagtcgc ccaggtcagg gtgcgtgatg 180
acgacaggag gcccagggaa caggagaagg ctgagccgtg gagcataccc atgccaatgc 240
catttccaga gctcttgggg tagcagttga ggcccatttc ctctccccca agaacctaca 300
acactctggg ccccccaaaa acaaccccat ccatcttgga aagaatgtgc agaaaagagg 360
aaggaatggc cacctgtcaa ctacattgtc acagtactgc acatgaccat caccaaatgc 420
ccgcga 426

<210> 836
<211> 243
<212> DNA
<213> Homo sapiens

<400> 836
gtgtccttac aaggaagtgt ggaagagaac agatgctaat ttatgactcc ggatcaattt 60
gctcaaacct gcacacaggc attagaggca gaagaaggac accatttttc cccccgtttg 120
gtatatacca ttcctctggt tatgttgttt attgatatcc tgcctccgtg tcaggcttaa 180
tacaaataaa taaacaaaca acaatctcta ttttttaaa taaaggaagc tttttaacca 240
ttt 243

<210> 837
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 837
accctgtccg tcagccaggt gagcaagcct gggctagtta gctgaaggat aagagaccat 60
gtggaggaag ccagaggagc catccatctg gggccaccca aggtcagcca gcacctctaa 120
tcacagagcc acgagggagt tagcccagat ttagaaggtg aggatattga cttcatctct 180
tgatgcaagg agttgcagtt acattgcaaa gggatgcaga tacagggaag gttggagaat 240
tgcagccact tttgcacaat ctaccacaac tactgcattg tagctgctat gcacattaaa 300
taaagtaaag acatatgaaa catttatttt aanggtcctg acaacaaata agtgttcaac 360
aagtgtgagc tattattact gtttctaaaa tggatccctt atcatgggag aaggtcaaat 420
taatgcg 427

<210> 838
<211> 426
<212> DNA
<213> Homo sapiens

<400> 838
tttccttaca atcctgttgg gtaccagtct ccagaaagcc actatcaatc agctaacgat 60
ggcattaaag agtcaactat aggatcttcc agaacaagga ctacacttca ggaagatgac 120
cttcaacata ggagggaaaa atgtttcata gtcaatctag taagaagttc tgccttcaaa 180
gcaaaagaac taccatttat tagatgtttg ccatgtgcca ggcaatgtca caacccttt 240
atatctcatt taagttcata atcatcctgt gacataagca acactatgtc ccccagttta 300
cagatgaaga aactaaggct caaaaaaaac attgtgaact ttccaaaggg cactgagcta 360
ggaagtagtg acactcggat tcaaaccttg gatctggcct actttaaagt ccatggtctc 420
aaatca 426

<210> 839
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 839
atggagtttt gctctgttgc ctaggctgga gtgcggtggc aagatctcgg ctcactgcaa 60
cctcctcttc ctggattgaa gcgattctcc tgcctcagcc tccaagtagc tgggattaca 120
ggcgcccacc accacgccca gctaattttt tgatattttt agtagagatg ggtttcccga 180
gtttcactgt gttggccagg ctggtcccaa actcctgacc tcaagtgatc cgcccgcctc 240
ggcctcccaa agtgctggga ttacaggcgt gagccaccaa gcacggcccc gcagcctcct 300
tcttgaaaga gatgtccaca ccccatctgg cccntccttn tcccttcctc attcctaaca 360
gctggcctcc tgcggctgct cccaggatct tctgcagagt ccggtccagc caaccccacc 420
tacctggctc cggg 434

<210> 840
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 840
gaattgtctg gaatttntgt gnaanctnnn tanancgcca acgctgcctn ctcctganta 60
ntaactgatc nagaactcat ttatcaccaa ggggatggtg ccaagccatt catgagggat 120

ntgcgcctgt gatccgaaca ccttccacta ggctccactt ccaacactgg gaatcacatt 180
tcaacatgag agttggagtt gacaaatgtc caaaccatgt ctccatccaa ccatctatac 240
agatcttgga ttcaagaagc cttatgcctc ttggctaaaa agagtttgaa aatcctgact 300
cggcccattg tgctaaggnc atcanaaaat ggattctgca gaagcagatg ctgaaatact 360
ttggtgggca gggctcaaca tctccaggga cagggcaggg cagaagcaag gagctaaaaa 420
aactggatct cac 433

<210> 841
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 841
gttcagntna aaactgnnta naacgccaac nctgcctgga tcctgactct gttgggattg 60
ttctcagagc ctgctcagtg tacttggaaa tgtccttcaa agcctgctaa ctctcatcat 120
ttcagggttg atctgatatt tagaagcaac tgaaaatcat ttgaagccaa tcccagtgaa 180
ttaggtcatg taattcagct gtaaaaattt gcccctggct gcacctggca taggagtggc 240
acagagggga tcttgctgtg tcacccaggc tggagtgcag tggtgcagtc tcggctcacg 300
acaacctctg ccttccaagc tcaagtgctt ctcctgcgtc atcctcccac aggtgcatgc 360
caccaggggt tcaccatgtt gcccangctg gtctcgaact cctgcgctca agtaatcctg 420
tactg 425

<210> 842
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 842
agaactgagt cccttnncna ncnctcncnc tanncctcgc ctttttgcct tgtggangag 60
cccatgtagc aaaggacagc caatagccaa cagaaagctg atgccctcag tccaacagcc 120
tgcaagaaac tgaattctgc cagcaaccat gtgagattgg aagcagattc ttccgtgcag 180
tcttgtgaga gattatgaag caaaggactc aagttgtgcc cagattcctg acccacagat 240
accgtgtgat aataaatgca tattgtctta aaccac 276

<210> 843
<211> 78
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(78)
<223> n = A,T,C or G

<400> 843
gcgtctgggg agctcctgca ttaagncnaa ctgaggnttg catcgncagc ttctatatat 60
tacggccttt ttttttgg 78

<210> 844
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 844
gacgtctggg gagctcctgc attannnnag agctgnggat tcttatantg aaaatcnccc 60
cgggcntgng tttttaaaca aangacggaa atctttcttt ccgnnntnaa aggacacntt 120
ganagatgca gtangaagat ggaatccatg aaccacgaag tgggtcttca gcagacacca 180
catctgncaa caccttgatc ttggacttcc taagcctcca taacagtgag aaatnaacgt 240
gttttttaaa cc 252

<210> 845
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 845
ccatgttgga actacatttg gaaaggnggt ngntnattaa acaangacgn aaatttttct 60
ttccnanctn aaaggacact ttgaaagggg ctnccttctg angccaaaag nttcgcccac 120
tctggaatgg agctgttacc tgncatcntn agcacantnt cncggnaaca gaaaaccaag 180
cactgcatgt tcccacttat aagtganagc tgaacgagca gaacacatgg acatatgaag 240
gggaacaaca cactctgggg cctgtgaggt gcagggagag catcaagaag aacagctaat 300
gggtgctggg cttaatacct gggtgatggg ttgatctgtg ccggcaaacc accatggcac 360
acatttacct atgtaacaaa ccttgacatt cctgcacatt gtaccccgga acttaaaaat 420
aaaag 425

<210> 846
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 846
gaagatgcca naggctgact cacttcctcc ntctctctgt gcgngcanaa aggaaaggcc 60
gggtaagatg cangccatct gcnagccaga agacangcct caacacagac tgaaccctgc 120
tggattttga nctggaantt ccgccttcca gaactgtgag agaaaaattt ttgtgttgtt 180
taagncaccc actcntatat tnngttatgg cagcctgagc cgattaatat gtacaacatt 240
ctatataaaa tatgaaacat t 261

<210> 847
<211> 203
<212> DNA
<213> Homo sapiens

<400> 847
gctgcatact gattcttaaa acatgaagaa catatggcat gaggatgaag agtggacaag 60
aggtcaaagt agctgaaata tataaaatgc taaaagtgta acaaaactga tttcaaccaa 120
gcacttgatc tcaaccaaac aaaaatgtat gcacaaaaga aatatgtcaa aataatacaa 180
tttatgctcg aaaaaaaaaa agg 203

<210> 848
<211> 124
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 848
ctaacggnac nggngcccag atgtgaggac aagagaaagg tggggtaagg gatagagacg 60
gggaagacaa tgagcaaacc tagggttttt tctggacatt caataaatgc ctatttgaga 120
tgct 124

<210> 849
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 849
tggggagctc ctgngttnag ctccngctgn gggtctatgt ggangtaatt annaatcttc 60
gagatcatcc tggattattt gggtgggtcc taaatccaat gacaagcatc cttagaagag 120
ccatcccggg gagagacaca tggaggagaa ggccacctgc aggcagaggc agagactgag 180
gtatgcagtc acaagccaag gagcgtctgg agccagcaag aggtggagat gcaagcaagg 240
attcttctga gagccttcag aggaagcaca gccccgccaa caccttgatt ttggatttct 300
agcctccaga actgc 315

<210> 850
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 850
atattctttc agatcctgca tactgaaact actgatgcca gctggtctgn nggattctat 60
gggangntga ctcaccaatg aatgaagttt ccacatcctg atgatctcat ccccttgcca 120
caatgaatcn acagccccaa ttttccagcc ccttgccctc caaaatctcc ttaaaaaccc 180
cagtccanaa ctccccggag gatatggatt tgangatncc tctcgnctct ctacttggct 240
gccctgcaat cattaaactc tttctctgct gc 272

<210> 851
<211> 326
<212> DNA
<213> Homo sapiens

<400> 851
tgagtccttg gagacaggga ccctgtcctg ctgtacatcc agagcctgac agaggccctg 60
atctgagtga gctgcccgaa ttgctgaatg gacagaagaa caaccctctg aatggtggaa 120
acagctgcct ccgaggcacc agccacacgg tctggctttg gtcaatcctg cacgattccg 180
caaggcacgg tgactcacgc ctgtaatccc aacactctgg gaggccaagg agggtggact 240
gcttcagctc aggagtttga gaccagcctg gcaatagggt gaaaccccaa ctctacaaaa 300
aataccaaat acaaaaatat atatat 326

<210> 852
<211> 340
<212> DNA

<213> Homo sapiens

<400> 852
agacggggtt tcaccatatt ggttaagctg gtctgaagct cctgacctca aatgatccgc 60
ctcggcctcc caaagtgctg gaattacagg cttgagccac catgcccagc caaccctata 120
gctttgcttg ttcatcctgg gaaggaactg tgcaagttgg cgcttcgggc ttggtataaa 180
aacggctcct gaattcctgc ccagttgtaa tttccttggg gattttgaga ggggctcttc 240
aacgttgcca ggctatcacg gccctttttgt ttgcaagaga gcagtgagta aattatatct 300
tgggcttagc aaagcaaaaa ataaacacga tgacagtagg 340

<210> 853
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 853
gtcccagcta cttgggagtt tgaggcaaga ggattgctta agcccagaag ttggagcttc 60
agtgaactat gaacagccac tgcattccag cctaggtgac agangctata actgaagaag 120
tgggagaagg aggaaaaaga aggggaagag aaaaacagca agaacaaaat gaacaagaac 180
aggaagaaag aaagaaaaaa ttaatttaat atttttccct tggaaaataa aagctaaatt 240
ccaagaatat atcatttgga tcat 264

<210> 854
<211> 208
<212> DNA
<213> Homo sapiens

<400> 854
acaaagatat ttctggcaag acgtggagag aaagagtccc ttcaatgaaa aaatgcaaga 60
ctgttctgac tgctttttca ggtaaacttc ctgttggacc tagttggctt gttaagtgaa 120
ggacaaaacc agaaggtgtt ctacatataa ggctcactct gaagtttcag gctgctggac 180
tggttgcttc attacatgta ctttgttc 208

<210> 855
<211> 221
<212> DNA
<213> Homo sapiens

<400> 855
gtctccagga agtgtttgct gaatgaatga aaagactaga taacgctgca agtatccaag 60
acagtagatg attggctggt aaagcagaag cggtcgcctg gaaattccct tctcccatga 120
tttgcaaaat tttgcttttg tatatttttc taagaaataa tctatagctt ttattatgta 180
ttccagggaa ttgataaacc cctcaacaag ttaagaacca t 221

<210> 856
<211> 142
<212> DNA
<213> Homo sapiens

<400> 856
ctctgccatg tgagaagaca cgtagaatgt ggctgtctgt agccagaaag agagacttat 60
cgagaactaa attggctggc accttattct tggacttccc agccttcaga tctgtgagaa 120
ataaacatct gttgttgaag tc 142

<210> 857
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 857
cnnggcacan aacatgtcnt ccaagttagg catcatcgtc gcctgctctt ggtgaagttt 60
tcttttgcgt actgcggaga gatgcgctca ttaccagctg gcggtggagt cgctgaaacg 120
caaatggatt tgagactgag cgactcccat ctctatggtt ggtatgtgac ccatctatcc 180
tctggaggac tcagcaagga ctaccagtca ccagacaact ttacgcgcac gtggtcgcaa 240
ggtgaacttg ctattggtta atggcagtaa agcccgccca tcagcgctgg tctgctcctt 300
taaaagaacg ccatcgacgc tcccctgtct ttcagcgcct gcaggttccg ggaggncagc 360
ttccaacccg aaggacgtcg ggatgtcatc gtccttgctg ctttgccacc ccattcccgt 420
caataaagtg gtttgaaccc 440

<210> 858
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 858
gacgtctggg gagctcctgc attaagatng agntgcggct tgtnggnagc ncaactggga 60
aacctcggga aacttacaat catggcagaa gatgaaggaa aaccaagcac ctcttaccat 120
ggcagaggag gaaagaaaga aagcgaaggg ggagctgcca cacactttta aaaccatcat 180
atctcatgan anctcnttcn ttatcacaag aagagcaggg gggaaatctg cctccatgat 240
ccaaccacnt cccaccaagc ccttttccca acntgggggg atnccaattc gacntgaaat 300
tnggggggggg ncccanngcc aacccntttc ncantccatn gngggngata gntgntncag 360
tanctgtagt aaacttgcaa natattaact gtcattgnct tgncnaaagg gggctcattc 420
caaannatta ttttgcncca tnggggggacc cacacagcca 460

<210> 859
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 859
agatngagct gaggcttgca ggnnangctg gtgaggaact cctcctgggc tcaagagatc 60
cagctgcctc gacctcccaa agtgctggga ctacagacat gcaccaccac acctggcctt 120
ttatcctctt tttagcaaat gcatttaggg tttgtattta cctgtaagaa caggtttacc 180
tgaatttcgc atagtttgat agggcaatcc ttgcattgtt ctcagttctt aaaatttcaa 240
aatttccatt ttgaaangtt ccctccttat ttttggattt taagcatctt taaaaatctt 300
tacacaggca aaaaaaaaaa gggccggnnn ggccaattna nnttggactt aaccaggggt 360
gaatttttt taaaa 375

<210> 860
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 860
ggttaaactc ccaaatgaag cagcaaacaa aaaacaaacc agtggctgag aggtctccag 60
gggctgttcc cctctttggg gaacctgtag ggagtgctga ggcggcatgg ttctgagtca 120
caggggacct gaggacacag ggatggggca tgttgttcca gaactccctc cagcagctgc 180
gtgctcaagc ccttgtgtgc tggtgagagg ttggctgagg aaaggcagcg ttcaaggtga 240
aggtgacaga aggcccaggt caggctggat gaagacaggg cccaggacgg gcttcacacg 300
tgaagctcgt ggcccccctt cctcctgctt ccaccatccc gtcttggggc gttcttcttc 360
caacgtcttg acttcctggg gaatttntng ggcatntttt tccnttncaa gtaccccccc 420
tcctgccttc aatgtccaca agtgggtgca gtgaatggac acttgtccaa acaa 474

<210> 861
<211> 341
<212> DNA
<213> Homo sapiens

<400> 861
atggagcctc gttttgctgc ctaggccgga gtgcagtggc acaatctcgg ctcactgcaa 60
cgcccgcctc cagggttcaa gtgattctcc tgcctcagcc tcccaaatag ctgggactac 120
aggcacgcac taccttgtcc agctaatttt tgtattttta gtagagacgg ggtttcacca 180
tgttggtcag gctggtcttg aattcccgac ctcgtgatcc agatgcctcg gctccccaag 240
gtgctgggat tacaggcgtg agccactgtg cccggactga aactgacttt gaacttctgt 300
cttcagaatt gtatgcgaat aaatgtgtgt tcttttaagc c 341

<210> 862
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

<400> 862
tacnaactgn ggtgggaagc caatgcccca gangtttgtg ggcagcccac ctttgcaccc 60
gtgangcacc agtggggaat gacagtcaag aagaaaccnc ggganaatnc naccccttgg 120
nccancagca ccacccccct gctttccgga actcagaagt ggtggagaaa aaaaataaac 180
ctccttttt gtttatt 197

<210> 863
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 863
cattttgggg gggccaccgc caaccaaatg gcgtnatgca cgtcgaataa agtgtgtggg 60
aagttccacc gcttgtggaa ccgccatgca agttcgtgta ctggatccct tgggggaacc 120
aaacgaagtt cacaagcttg aacaagttgt ttcggcgaat ggctttgaac tggggcttgg 180
gtgctccatc attgtcctgc tgggccaaca accgtcgctt tgaccttgtt cgactttntg 240
ttaccacctt gcttnaaaat gccaaaagcc aggaaccggg aanggatgga aatcatttaa 300
aaaatgggnc ccctgaaaaa aaaaggccga ccggg 335

<210> 864
<211> 451
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 864
gcaaatgcgt aatggatgtc aaaatccaga ataaggcag caagtattgc acagaatgtc 60
tgcattgact ttgcaaagac cagaccctct gggttctccc tggaacaaag atgcacaaaa 120
ggctggagca gccaaatggg ccaacccctg gagtgccttt tttcttctgt gttaaaaagt 180
tgcatttcat gcagacccag cctattcccc caacccctca atcttctccc tccctcctac 240
ccacaagcac acatacaaca gaagggacgc ctctacaccc tcaccagctg cctacactca 300
ttcacctgcc gctggctggt ttcggcactt gttttccaaa ccagtcaaag aactcacagc 360
cccaggactt aaaaaggttn ttattggttc catanaggct taaatttggg ggctcctaaa 420
gggatcacca tgggataaat aaaaatatac a 451

<210> 865
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 865
actgaggggc attcagataa gccatcatat cccctgtgac ctgcacgtac acatccagat 60
ggccggttcc tgccttaact gatgacattt caccacaaaa gaagtgaaaa tggcctgttc 120
ctgccttaac tgatgacatg gtcttgtgaa attccttctc ctggctcatc ctggctcaaa 180
agctccccta ctgagcaccc tgtgaccccc actctgcccg ccagagaaca acccccctttt 240
gactgtaatt ttcctttacc tacccgaatc ctataaaacg gccccacccc tatctccctt 300
tgctgactct cttttcggac tcagcccacc tgcatncagg tgaaataaac agctttattn 360
gctnctaaan cttgtnntgn nnacanttnn natnccnctn tgnttntttt gnnacnaata 420
ttgatngaat tnanaannan ngggggggggg cggggggggn ntntnttttt ttttttat 479

<210> 866
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 866
ggcatgtggc attctagacg taacaagcat tatgatttgt ttgaaagaac tgntaaacag 60
tgtccagaat taagcacatt tcctccattt tctcaaaaga gtttcctgga gaagtcagaa 120
gaaataatac aatttcctat taaatgcaac atataaccac 160

<210> 867
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 867
gtgcacacaa tgaaggaagg ccatggccca cananagaan atgntnaggc caggcntggt 60
ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca cttgtggtca 120
agagttcaag accanattgg gcgacatgat gaaaccccgt ctctactaca aatacgaaaa 180

ttaagccatt gtggtggcac acgcctgtna tcccagctac tcaangaggc tgatgtggga 240
gaactgaacc ctggaggtgg agattgcagt gagccaagat ggcgctactg tgctccagcc 300
tgggcaacaa agcaacacta tgttttaaat aaataaataa agtgcttgga atttcaaaaa 360
atacaatgcc tannttaaaa taccatatat tatatattca tatggctata atgattcccc 420
acctgtttat ctgtcctaac gcaaatg 447

<210> 868
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 868
ttataagttc cttgnnngga caaaagtggt ttaacacttc tgtctatcta aagatgtcta 60
cttcaaatnc tgggcacaag agtgattgac agcaatttga ttgattagag aggtttcttt 120
aagaagagct tttactctga ataaaatatt cctgtgagga agatgctgac tggccatcca 180
ggtctgcaga agacaagacc agaggaaatg gattttgaac atgttcccag agatctttta 240
aaaaattacc tgcaaaggag tttaancccc ggantancng aacaaagaaa gctgagggtc 300
tctcctgaag tgaatgtttt aaaaatagac agtct 335

<210> 869
<211> 320
<212> DNA
<213> Homo sapiens

<400> 869
gaaaggcaaa gggaacctcc aggatgatgc tgaagacaga gcccactatg acagctgtgc 60
aactatccca gagcgcagac atggggcaga gtgaaaagat aacacagaac tgggaagcag 120
gcaggaaaca gcagaagaga agaaagttga gatgaagaaa aaaatatgaa cgaaggcaat 180
gaagtaaggg gaagatggag acaactttta gggcttttac tataggttca ctgtttctaa 240
tataaccatc agaatcttct gtcacaaaag gttacatgtt gatggaaaga atacaggaaa 300
ataaatgaga tctaatttac 320

<210> 870
<211> 795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(795)
<223> n = A,T,C or G

<400> 870
acatagggag tgtatntccc cntccccaag nggaanggca ttggaccttg gacttgganc 60
catgcatggc gccctaccct caatgggaac gagggccgtc gtcgacnaga acttcagtgc 120
actctaagaa cgtcggccca aggacctatt cgcatgggac taggcagcta ggacacatat 180
ggaattaaat ccaacgacgg acaccttagt gagtacacgt ctaggtgtcc aagggcaaaa 240
aacgatggcc acgtacatgc acgaacacga aaacatgtta tagtaggtaa tcgtatatgt 300
acaaccacaa acactcacta gtatatccgt agacgagncg aaantggnaa aagttcaacg 360
agtgcgcata gcaatggcgc agcaccaaga gcatatattt taagagtgnc ctttgtctca 420
ccataattaa ngggttgtnc aangttggnt ttttccntaa antaatnaaa anaccaattn 480
cngggaanat tnctttccn tggncncacc aataaaaang gggcatnacc ccttggttnt 540
ggcatttggg tagaaangga aaatgacccc gcggaaacat attttaataa ttggaaagga 600
ancctctttg tttgtgnncc ctnaaaaaaa cattttgnga ttttttttt ttntggggcc 660
cggcgcgtgg gggngggnca aaattngnna ttttcccnng gggttttttt taacnccccc 720
ggggttttcc gaaacntttt tggggtcccc aaaaaaangg gggggggggc ccccccccc 780
ccccccctt tttgg 795

<210> 871
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 871
gctcatgaat ctctgtgatg ctcangagct caancgttct gttgntggca nctttcctc 60
ncctggtgcc acgttaaagc ggatttggan tttatctggc ttgctgattg cntaccatct 120
ccccaaggag ttcaaattcc cacagtntac caacacaact gatgctggaa gctaaacttg 180
ctacaganaa ctgagagaac caaacaattt tcctttacct gttctcacga tacttgaaan 240
taaatgtcta catggaagga aagc 264

<210> 872
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 872
caactcagag gagttaatgc ccatgaggaa agcagctttg tcagcatctg gtcatcagaa 60
atagaagaaa aggaaggaga gaggaaaaca ctgttaagat tcattccatt atagccaaac 120
taactncccc aaagnncaaa agaannnggg gttacctnna cggaacnaaa naaantggng 180
ntttcaaana aatgccngaa tcctaaaagt ttaaaggaaa ttatttcttc gaaatacaag 240
tcaaagccac attgaaatct cactccttca gtttgntggc nttaaggaaa aagaaaatat 300
natgcccctc nccgccccnt tnatggncnt tattcaaccg gcgcacatta ccaggngttg 360
acaaggatgg ggaaaaatgn gaaccctcat gcnttggggg gtgggaatgc aaaatgggng 420
tgtntttgcc ggganaacag tttgacagtt actctgaagt taatcataga gtactatgga 480
acccaccatt tcacttttag gtcccnccca anataatgaa aacatttgtt cncccaaaaa 540
ttggncncaa tgtttctagc accttt 566

<210> 873
<211> 90
<212> DNA
<213> Homo sapiens

<400> 873
agaacaaatg atgaatggag gaggccactg gtttacacgg aaagggtaaa ggacaacgac 60
tatccagatt tttcttccaa ctttactttt 90

<210> 874
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 874
aggatcctct attaaatgtg tggtccatga accagcagct tcagcatgac ctgagagctc 60
ataacctcgt ctctacaaaa aatacaaaaa aagttagcca ggcatggtgg tacacgccta 120
tggtctcagc aacttgggag gctgagatgt gcctgctttc ctttcacctt ccaccatgat 180
tgtaagtttc ctgaggcctc cccagccatg cttcctgtat agcctgtggt acggccaagt 240

ctcgccacat ggcatcattt cctcctcacc tgcagaatcg ctgtgactta tggctcctct 300
gattgcacct gctttnacca acancctng aaaaaaantc ttttttgtgg ggataaaaag 360
tnagananan ctnggttnca tnacttggtt aaaatnggac cctctcaaat gaatgtaagc 420
acataatggg gggactacac tatgagatta aaaggaatcc agctgttacc aaaaatgggt 480
gcctgccagg tttatccacc aaattctttc cacttcatgt cattaaaaat aaaatttgag 540
ttttaaaatg 550

<210> 875
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 875
tggcaaaaat tcccttaaag aaaaggcccc gggaagngga agccttgtgg aagccccttg 60
ggaatggttg gcttggcatt ggcccaaacc aatggaaggg aaaaattccc gggaccacca 120
ccaaagagga aggaacattc caaggggggg ccaccaaagg ttgccgccaa agaatggaaa 180
ccaaaggcca ccattggaaa gaaaaggggc caggcaaagg aaggggaaaa agccccattc 240
ttgncaaagc cccaagaaag aaggaaggaa aagggcttca agaaaagaaa aggtttaaag 300
gttcttggcc cagccantct ttgaaccctt tnggancttt cccaagnctt tttcaagaac 360
cttggtgnag aaaaaataaa anttttcttg gcttggtttt 400

<210> 876
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 876
ggccatcaag ctcagatggt cttacaaatg gcaccccaaa tgagctcaac tcacaacttc 60
tactgaggac ccctggacca acccactggc cctttgactg gcctagagaa ttcacctcca 120
gaggacacta caactgcagg gccccttctt cgcccctatc cagcaagaag taactagagc 180
ggtcatcacc caattcccaa cagcagctgg ggtgtcctgt ttagacgggg gtgggggggag 240
attgngaggt gaagccagct ggacttcctg ggttgactgc agacttggag aacttttctg 300
tcttaccaaa ggattgnnaa atggcccatn cnccctttg taaaaaccca ccaatcannng 360
ctttgtanct agcaagaana ttntaaaatg ccccaaccag cnctntgtaa aatgcnccaa 420
tcagcgctnt ttaaaatgcn ccaatcancg ttttgtaaaa tgcnccaatt ancanggatc 480
ctaaaagtgg ccattcncag ggagaactga aaaaaggccc tcggttagga aagaaacana 540
cgggggggang gggccaataa ggggataaaa gctggcct 578

<210> 877
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G

<400> 877
gaggaagagg canagnacga cggctcaatn aaacccncca ctnntngtnn ngganagngn 60
nacttncttt tggtctnann gcncttcang cttgaaccac catgaangcn gaaattccat 120
ccanttaccc tggaagtggg aaaccgacaa cctgcatggc atttttgaa gctagacatg 180
taaacatcat ttaaaagttc tgttttcttg gctcacgcct gtgaccccag cactttggga 240

ggtcaaggca ggcagatcat gaggtcagga gattgagacc atcctggcta gcacggngaa 300
accctgtctc tgctgaaaat tcaaaaaatt aacccggtgt ggtngtgggc ccctgtaaaa 360
aaacttctcg ggaaggctga ggcaggaaaa tggcgtggaa ccttggga 408

<210> 878
<211> 186
<212> DNA
<213> Homo sapiens

<400> 878
catcatgcaa actgggaaga ggaccctcac caggaaccac atctgccagc accttgatct 60
tgaacttctc agcctccaga acggtgtcaa tggacgtgga cgtgtccccg gattaagcat 120
gaccttggcc ctcctgggtg gacgtggagg cttcagaaag attcattaaa ctactttcca 180
aagctt 186

<210> 879
<211> 274
<212> DNA
<213> Homo sapiens

<400> 879
agaaacaagc atcaacccct tcaccacggc acatctgcct ctgacttcta agcgctagac 60
caacctatgg atcctgtcat ccacctccac atcctgcatg ggaatccaag aacccttcat 120
catctacctc agtctccagt gggccagcaa aaccaccaag ctctttctat tgccacagct 180
ttgtcatgtg cctttctact cattctgctc ttagataatc acgtgatgta ataacatcac 240
tgctatgtct actaaaaaga aatctgagaa actg 274

<210> 880
<211> 319
<212> DNA
<213> Homo sapiens

<400> 880
gagcaccatg caaagtgcgg agatgcagag aggaaagact actcggtcct tgttccttgc 60
tgtcccagag gtcacagtgc tgtggggagg gggacaagga cataccctgt caggctgcgt 120
atataaatac acaggtgcta agcaaaatgg gaacggagaa gggaaaggtt ccctccacct 180
tgagagaccc acagaagggt gttctagaga tggatgagtc agactgcaag agagcaaaga 240
tatcttcctg aatacattca atatcaaagc atcatgtgcc ctgtgtgtgc aaaataataa 300
taatcataat aataaagtt 319

<210> 881
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 881
aacttaagcc aaaccattct gtcatctgga aaaacaaaaa atagaagctt gggccagatc 60
atctgtaaga tttcttccca agcacaacat cagatccaat gactgtcaac tgagtgtgtg 120
ccaatgactt atttgaaggt tggaacaaac cacataatca ccagattccc cacattcaga 180
taagcctcaa tgaagaccgt ataacacccc ctgaagaaca gctgccatct ctgcaggatt 240
ctgtgagaag agggaagtga tccggacctc ttggctgggg ccacactggg tttatctgta 300
tctgctcctg aatcttcagc ctgctacaat ctgttcacac ctgggtatct acagtcttga 360
catcctacca cttgctgctc aaggctctta acttgagctg gaaagtaaat aaattgngct 420
ttcattttcc cct 433

<210> 882
<211> 454
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 882
gatcgaggcc atcaagctac agatggtctt acaaatggca ccccaaatga gctcaactca 60
caacttctac tgaggacccc tggaccaacc cactggccct ttgactggcc tagagaattc 120
acctccagag gacactacaa ctgcagggcc ccttcttcgc ccctatncag caagaagtaa 180
ctatgagcgg tcatcaccca attcccaaca gcagctgggg tgtcctgttt agacgggggt 240
agggggagat tgagaggtga agccagctgg acttcctggg ttgactgcag acttggagaa 300
cttttctgtc ttaccagagg attgtnnaat gcaccaatca ncactctgtn taaanacacc 360
antcagtgct tcttgtagnt ngcaagaaga tttntaaaat gcacccacca gcacttttgt 420
aaaatgcacc aatcaggcgc tttataaaaa tgcc 454

<210> 883
<211> 175
<212> DNA
<213> Homo sapiens

<400> 883
atgagaagca gggattccca gcaaaggaga accatgagtc acagggagaa gtctggccgg 60
aagctgctga cacacattct cacaggacta tggcaacttc cggaagctgc ctgtatgcct 120
tgtcttgtgg ccccttcctc cctcttcagt gccagcaaca ttgcatttac ctgac 175

<210> 884
<211> 377
<212> DNA
<213> Homo sapiens

<400> 884
gaaaagcctt gaaaattttt ggagtacata tagtaagaat gcacttcact gcagcaaaaa 60
tggagtttca ctcttgttgc ccaggctaga gtacaatgga gtgatctcag atcaccacaa 120
cctctgcctc ccaggttcaa gctattctcc tacctcagcc tcccaagtag ctgggattac 180
aggcatgtgc caccacaccc agctaatttt ctatttttg tagagacggg gtttctccat 240
gttggtcagg ctggtcttga actccagacc tcaggtgatc cacccgcctc ggcctcccaa 300
agtgctggga ttacaggtgt aagccaccgc acctggctta aaagtaaatt ttaaaaataa 360
acagtttata aattaag 377

<210> 885
<211> 260
<212> DNA
<213> Homo sapiens

<400> 885
tagatgcaat ccatggaaca ctccacgtgg acttggctgt ttctccgcat tcatggacaa 60
ttaatttcca gctataatcc agtttcccac caaacactga gttgcctccc aacgctgtcg 120
accacttgct ggaacaattg tccccccttt gcatgggaaa gcaagatatc atgacacttt 180
gttctgatgt gcaaaacatg cctggttttg agaccctggc catttccatt gtcagtcttt 240
aattaaatca gtggttttct 260

<210> 886
<211> 435
<212> DNA
<213> Homo sapiens

<400> 886
gcaatccagg tgacaatacg gaagtttcag gaactccatc atatccagca tgtcaggatc 60
tcacatgaac gaatggcata ttccactcca tgtgagaaag gctgtgatgc catcatggaa 120
aagatctagc tttgaaagcc agaaagaagg aacatcagcc ttaacacttg ggagtaatgt 180
gacctggggt tgccgagtgc cttactgaac aatagctctg actggctgaa ttcatcaacc 240

caagtttgtg tatttagata tcatctatgt atctccgaat ctgctcctca acacacagct 300
agctgtcata atacataatc aactagtatt tctcaacaag caaattagta gactgtcaaa 360
gggattgctt aaccatatgc ttctctcatt actacataat cccagaaaat aaaagtaaca 420
tttgtttaga atgac 435

<210> 887
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 887
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgctcana 360
aaaaaaaggc cagngaggcc aattcagctt ggacttaacc aggctgaact tgctcaaaag 420
gnggggcccc ccccccc 437

<210> 888
<211> 328
<212> DNA
<213> Homo sapiens

<400> 888
atggagtctc gctctgtcgc ccaggctgga atgcagtggt gcgatctccg gttcatgcca 60
ttctcctgcc tcagcctccc gagtacctgg gattacaggc gcccaccacc atgcccggct 120
aatttttttgt atttttttag tagagacggg gtttcaccgt gttagccagg atggtctcaa 180
tctcctgacc ttgtgatccg cccgcctggg cctcccaaag tgctgggatt acagacgtga 240
gccaccgcgc ccggccccaa cattcttttt tgcttgggat aaaccctctt caggctgtta 300
atcaatatag ataaaagtat actgttct 328

<210> 889
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 889
ctcaggccag taattttgac agaggtttgt cctgtattgt ggccagggag cagcccagaa 60
aaacttgcgt cactaggccc agtggggtgt gctccatcag acagaatgtg tgtgtcacga 120
gccttctaag aatcaggagg agggaagtca ttcataaagg aggcagatgc tgaaatgcaa 180
ctttggcttc ctcttccaag tccttcaact ataggaatgt ggccctttct tattcacaga 240
ggggctggat ttctctttac aacctgagta ccagaagctc cctacctttc caagtcagaa 300
cagaacagga aagtggctaa ttcgaccttt gcattctcca cactggggga gatcacaggc 360
caggctgcac acctctcaaa acccaacctc angacagacg tctacaggga atgctaagac 420
tttcgaaagc aggagaaaga tatgtccaga 450

<210> 890
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 890
atcacacaaa gaagaagtca tgtgaacaca cagcaagaat gtggcagcct acaagtcaag 60
agaagaggcc ccagagtcta ccttgcaggc accatgatct tggatcttcc agtcttcaga 120
actgtgagat gtacatttct gttgtttaag cattcagtct ttggtatgtt tttatggcag 180
cctcggcaga ataagacact nattcatcta ngtataccat atacagttga cccttaaaca 240
gcatg 245

<210> 891
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 891
agcttttgtt tcagctcacc ttatgaagct gtttcccaag aggatgaccc gggtgcctgc 60
ctggctaagt aacaagcaaa catttcggag cctaagtttg ggaaagagcc tgaaggcccc 120
tacaccctga agcaacattc caagccttgc tgctcacaat gcggtcccgg gaccagcggc 180
agcagcagca gcccaggacg cttgttagaa atgcggcacc tccggcccca cttcagacgt 240
tctgaaccca aatctgcatt ttatcacgat cccaggtgat tcatgtgccc gttagagtga 300
gcgaagccct ggattagaga acagaaatta gacgtgaccc tttctttgac aggaatttat 360
caccaggctc tatctcaaga actgngagaa ttcggntcaa natgtttgtg ataacttttg 420
agcagtactg actagcgtgg 440

<210> 892
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 892
caaaannnca actgcagatg acagccctat cgctcctncg actaccancc cattgnatgt 60
acctggnttc cccatccaag ccaaagagcc ctcttctgtg cctggactaa gaaacagaat 120
gaaaaaacca cacagaaaat cataagctgg ggaccaaagg cagtcaaccg tttctgcata 180
tgcctcaaaa tgtgactcaa tctagaggtt tccagtttca cctgagctgt taaatttaca 240
ggaagatctt caatgatctt cggaaaagac agaagagcaa gaaaatctga aaaggatatt 300
aataaaaatt aagctcaaag gggaaaaaat agtt 334

<210> 893
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 893
atggagtctc actgtgtcgc ccaggctgga gtgcagtggc atgatctcgg ctcactgcaa 60
ccgccacctc ctgagttcaa gcgattcttc tgcctcagcc tcccgagcag ctgggactac 120

aggcgcgcca ccacaccagg ctaatttttg tagttttcgt agagaggggt gtcaccatat 180
tggccaggct ggtctcgaac tcctgatgtc gtgatctgcc cgcctcggcc tcccaaagtg 240
ctgggattac aggtgcagcc accgtgtctg gctgctccat tgtaatctta cgggaccacc 300
atgtatatgc aatccttggn tgactgaaat ggncntaang gggggattga at 352

<210> 894
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

<400> 894
gcccagtcca caagggcaag gcttgcaaga gaggaaggag gaatcgcgga gcagcaaacc 60
aaagccaggc ctgtgtcttg agagggcttc tcaccaaggg aagcttccag ggccttctcc 120
aaagcaccat attcaagcac tggatgctgc ttggacatat caattgaggt cccagagaaa 180
tcagtatggg gagaagaagg acttggaatc acacaaacat gggtccgaac cctgcttgcc 240
cttcccagct gggtaaactc cagggtctca ctctgttgcc caggctggag tacagtggtg 300
caatcatggg tcactgcagc ttcaactcct gggatcaagc aatcttcctg cctcaacctc 360
cccaatagct gggactcctg aatagacaag ggtcccacta tgttgnccaa gctgntctcg 420
aaattttggc tcaanaaatc ctccttgctt ggnctcccaa agngctgggg taacaggcgt 480
gagccncctt gnccaaccta ttatagtcnt attcttacat aaata 525

<210> 895
<211> 366
<212> DNA
<213> Homo sapiens

<400> 895
ttgaatccag gcatgtggaa cccttggata tggaaggcca atgatatttt gcatctatga 60
tcttattgaa acctatttac caagtcacga ggaaaaaaga gctgaaggac aaatgatgct 120
gacaagggga cagtcagaac ctgcatactt tgaatgcaat accagggcac tagtgccaag 180
agttacaaaa gaagaagagc cttttaactt tggcgggagt gcagaaggga ggaccaaaat 240
tgtaatttga acacattatt gagtaagatc atataatgga aaaggaggaa actggtttaa 300
agagatgaaa taaaggtaga ggttaattag aactaccaac ataaatatat gccctttaa 360
aagaag 366

<210> 896
<211> 377
<212> DNA
<213> Homo sapiens

<400> 896
gcagctcact atgaggctat cacaaatcaa tggaagcaca tttggtgaag agtacaggcc 60
catcagagga taccactgaa tccatgctcc acagcagttc ccagcaagct gcactcttcg 120
aaggcgggat gctgaaacct ctgcccccac cccctacatt agctttatat ccaaatgtga 180
ctcggaggct ggtgagctca aggtgatcaa tgacagctcc aatcaaagcc acccagtaga 240
cagtgcactc accactcctt gatataaaag gtgttttatt tctcatcctt ttatttttgt 300
cactgaaaga atgcttccca tgtgtggatt aattaaagtg taaacattaa atattgattg 360
atgcattatc agcatgg 377

<210> 897
<211> 392
<212> DNA
<213> Homo sapiens

<400> 897
actatcctaa acatcctgcc attaattagc tgaacagccc atctagtaaa caagaccgat 60
ggttgagggg ctggaaaaga ggaggagtca gcaagttgaa agtcacaaca gaccagccca 120
ctccctcaga taaaagaaag gcacatcaca gttgtcacat cagcaggcta gaaaagccat 180

cccattcctg cggcaggcat tctgtcaaag aaaaagaaat ctgcaatgaa ttatcacatg 240
aagtcaaaca aggaaaggag gcaaaaagca agcagagccc tcttcctgtt ttgtagactc 300
tgctggctac aatctaatag aatgcttaat ctgaatattt ctggtggcaa aactatagca 360
accattctgt ctattaaaaa gtcagtgtgg tt 392

<210> 898
<211> 397
<212> DNA
<213> Homo sapiens

<400> 898
tgaaacacat atccaagaaa aggtagtctg caggaaaact ggaggaagac ttatgcttag 60
agtccttgct ctgcaaactt ctacaggaac cagtgtggac ttggaggcct tagcaaacta 120
tcacaggaac agaaaaccaa ataccgcatg ttctcactta taactgggag ctaaatcatg 180
agagcacaag gacacccaga gaacaacata cactggggcc ttctggagcg gggagagcat 240
caggaaaaat aactaatgta ctaggctaaa cacctggatg atgaaataat ctgtacaacg 300
aatccctagg atgcaagttt acctatgtaa caaacctgca catggacccc tgacttaaaa 360
gttaaaaaaa atgagtgatt aaaaacatta aaaaatg 397

<210> 899
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 899
attttaccca aatatgtggc nagttaagac aganaaaaga aagatgtgag gtctcagaga 60
tcttccaatg ggacctacca ctatgggtca agtcatctga catctacaga aaacctacat 120
tgcttctttt aacatacaaa tataaacaaa cgtacaattt aggtaggggc ctcccacaaa 180
ataatcacct gatcagaatt atatattaag ttatgcttaa tatattatta tacattaaat 240
atatgattta aaacaaaaaa aaaanggcca gngnggccaa ttcagctngg acttaaccag 300
gctgaacttg 310

<210> 900
<211> 315
<212> DNA
<213> Homo sapiens

<400> 900
gcatggttat gaagctggga acacagcagc aaacatgagc cgatgaagtc tctggtctaa 60
aaaaaacctg cactgtagtg ataaaattaa gtccaacctt aaaaagagtt tcaaaattta 120
agaatgagga ggaagagggg cacctcacgt aacaggaagc agctacgaca gcaaagagga 180
acagatactg ccaaataagg gttcatactc atacccccac aaaggaaatc tcttaattgg 240
agacatcatg agatctgggc cattttccca tctcattgaa aaatcaatgt ttaaataaac 300
acacttttta tctag 315

<210> 901
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 901
ttttttttcta gngttcaaag gccggcggat catgaggtca ggagttcgag accagcctga 60
ccaacatggt gaaaccccgt cttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120

gcacctgtaa tcccatctac tcaggcggct gaggcagaag aatcgcttga acccgggagg 180
cggaggttgc agcgagccaa gatcacacca ctgcactcca gcctgggcga cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttctaaaa cttccaataa aaacttaggt 300
cccattaaat ggtaaatctg gctccaaaaa aaaaaagggc cag 343

<210> 902
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 902
agacagcatc tggctccatc acctangctg gatgcagtgg tgggatccta gctcactgca 60
gcctttgaac tcctgggctc aagcaacctt cccgtctcag cctcccaagt agctgggact 120
acaggcgtgc gctaccatgt gtaatttcca tttttaaaaa gcacattaaa atcagagagt 180
ttt 183

<210> 903
<211> 517
<212> DNA
<213> Homo sapiens

<400> 903
gccttgcctc gggactgggc agtttatccg cagagcacca aggaagaatg tgtgcccact 60
gccaactaca aagaatcatg ggatcataaa ccctcagaag tggaggtatc acggaaatga 120
gcttaatgtt ttatgctttc ctgtcgcctt aaactgccaa gaaggctggt gcacctcaga 180
ggaaagaata ctcacaggaa ttagtttccg gtccctgaaa cccagtcatt tcaacatgac 240
agctgtttga aatcccatgt aaccagaggg tttctgagac aggaagcaac agtggcacac 300
ctagctgagc acgggggaga gtaagaagca gagaggaaac aagctgaatg agaacatggc 360
ttggaggcag caaggaaagt ataaaaacaa tgaaccaggc caggcgcggt ggctcacgcc 420
tgtaatccca gcactgtggg aggccaaggc aggcggatca cttgagatca gaagttctag 480
accagcctgg ccaacatggt gaaaccccat ctctact 517

<210> 904
<211> 198
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G

<400> 904
actataacaa tgacccccta tgaagaaatg cttccaagac cagcacacca gaaagaacct 60
cctgatggtg agcagggcca gaaccaccac ctgnctgtcn caacactaac tcttcatttg 120
attcctcttg aagtttggcc cgagtgtgaa aaatgactct tcttttaagg actcgtaata 180
aagcagaggt gacacaga 198

<210> 905
<211> 122
<212> DNA
<213> Homo sapiens

<400> 905
gtgtttcttt atagcagtgt gaaaatggac taatacacca gaaagaaaaa taaatgcaag 60
ggaattttct gggttaaaga aaaataaagg aaagtgacaa ataaatgtaa tctaagatct 120
tc 122

<210> 906
<211> 456
<212> DNA
<213> Homo sapiens

<400> 906
caattttgct ccaggaagtc cttgggaccc aggctcctgt cagctcacca ttctatcagc 60
ccacagttaa gactgtggca tgtgcattcc agacagcaag actgagaaag gatcctgaag 120
aagagagaca agggctgtct cttagggaag gctccacata aaactaagct gccacatgaa 180
acttacgctt actctgcaat agccagaact cagtcccatg gccatgaaag atacaaggac 240
gcctctgttc ttggaagtca tgttctggtc aaaactggag gattctatca cattagaaga 300
atgagaaaac agacacctgg ggaaaactac attttctatc atgggaacag cactctattc 360
aagtgaactc acaattataa atgaagctac tataattctg aacaatgtac cacggctaaa 420
agtgcttcat tcactttact tactcaataa atttaa 456

<210> 907
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 907
acgaagtctc gctcttgtcc cccaggctgg agtgcaatgg cgcgatcttg gctcactgca 60
acctctgcct cccaggttca aggaattctc ctgcctcagc ctcccgagta gctgggatta 120
caggcgcctg ccaccacgcc tggctaattt ttgtatttta agtagagatg gggtttcacc 180
atgttggcca ggctggtctc gaactcctga cctcaggtga tccactcacc tcggtctccc 240
aaagtgctgg gattacaggt gtgagccacc gtgtgcggcc tcagggaatt gaacagcttg 300
gacttggaga cagtgagtta aaacagaaat aagaaggcng ccgaaaaaaa actccccaat 360
ggaatggggt nggatatttc atatncnccc caccacctca aaaatggtgg nccttgggag 420
ggatnggaan acaagaaaat tgggaggnga tgcatctttc aagccttagg aaaca 475

<210> 908
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 908
cagctccagg gggtcctccc atgacaggaa ttcctgatga gaagaaaagg tgcagctctc 60
tctgacaagc tggctcctct cctcagaaaa aagaaagaaa caaggagaag aggatgacat 120
tgaatgtatc agagaactaa gaaacttctg ccagcctgag caacttctcc agccagggcg 180
acagagcaag accatgtctc aaaaaaacaa acaaatgaaa aaagaaattt ctggatgagg 240
aggatgctag ctctacattc cacttcacaa ccaggcccta catcagccta tatttgaata 300
ccatggcaat tcactacccc acgatctgtg aggaaatttt tccttacact aaacagattg 360
ggccagttnc acactttggg actgncagaa aaagcctata tatctaatat aatttattat 420
aaatag 426

<210> 909
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)

<223> n = A,T,C or G

<400> 909
aggatcatat gaaattcata aacagaggat gaagaaacac agaagacaga ggaaggattt 60
agttttggga acatgtgcta atggccatca aacaattctg aaataactga aagagaacct 120
ttgaaacacc ctttagatta agagcctggc ttgtaatctg taacaacaaa cggtattaca 180
atgagaaaaa taaatgtcct gtcaaggcat tccttcaatg acatcttgtc acacaagtct 240
atatccaagg ctgcccacaa agtggaaaaa tggggaaaat tccctgcagt acagggccaa 300
aaactgaagt ggatgtcact gtcttctgtc ctaagaaaaa agaggataaa ctgtantccc 360
aaccncttcc gaagcttgag gcaggagaat ggcatgaacc cgggaggcgg agcttgtaat 420
gagtcgagat ggcgccctgc actcccaa 448

<210> 910
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 910
gacgtctggg gagctcctgc attaagtcng aacnngaggg taaaaaaagt atnggntggc 60
acgggggctc acgcctgtaa tcccagcacg ttgggaggcc gaggcaggtg gattgcctga 120
ggtctggagt tcaagaccag cctggccaac atggtaaaac cccatctcta ctaaaaatac 180
aaaaactagc tgggcgtgat ggcaggcacc tgtaatccca gctacctggg aggctgaggc 240
aggagaatcg cttgagccct tgaggcagag gttgcaatga gccgagatca cgctactgca 300
ctccagcctg ggcaagaaga atgagactcc gtctcaaaaa aaaagaaaga aagaaagaaa 360
gaaaaaaaat tcngctccag gcagacttct ttttntgntt ctgcctttaa aaaaatctcc 420
ttggcacagc ttcacntgat tggatgggag aggaaatttg aggctgggag acctcctana 480
ccacagctgt aatctt 496

<210> 911
<211> 309
<212> DNA
<213> Homo sapiens

<400> 911
aaggcacagt cttcttctga gatttggaga gcagagggca agtgggcagc gtgacaatgg 60
taggaaaagg cttgccccag agtgaagaag agaagaaaat tgactggtaa aatgaactac 120
aaatgtgaag aaagtgtaaa ggacccaatt gagaaatgag gtctatgttg cccaggctgc 180
ttgtgaactc ctggcctcaa gcgatcctcc tgcctcaaac tcccaaagtg ctggaattac 240
aggtatgagc catcatattt ggctaatttt acctcctttt taaataaagc tgactactac 300
tacaaaaat 309

<210> 912
<211> 188
<212> DNA
<213> Homo sapiens

<400> 912
agactggatc tcactacttg cctagctctt gaactcctgg cctcaagcaa tcctcctgcc 60
tcaacctccc aaagtgctgg gattacagga gtgagccact atgccccaca tggtattatt 120
attattgtta ttaatactac attgtgcttc ataaataatt gctaaatata caagaatatg 180
tttgtttc 188

<210> 913
<211> 659
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(659)
<223> n = A,T,C or G

<400> 913
ttaagtcagt aacttgtaga ggaaaaaccn tgatggggaa tggtttgaag ctccagcngn 60
accctaaagg aggagccagg gcaccagccg gatggaggaa aatctcctgg cccaagaaag 120
tgacagggga aagactcctt cttcccttgc tcacacaggc tcccaaacat cacttcccag 180
nggaaaacaa agtgcccatc tccccacaaa ggacttgtga agctcttgga agcaccaagc 240
aagaagactt tgtcaagttt cttgttcctt gggattgttc acccaagcca cattggggcc 300
aagccaaaaa tccttgaaga agcttgggct tgcaaagtca agaactcttt ctttaccttg 360
aaccccaagg gaagttggaa cccgggggggc caccaagaag ccttgatttc ccaagnaaga 420
agttcttcct tcttaaaaaa ccaaaagggc aattggggga ccccccactt ttttnttcaa 480
cccgggccat tggtcttggn ccatttntta ccaagtttgg aagggccacn ttaaaatttc 540
aattgccttt gaaacccggg ccccttgggg ttttcaaaaa cccctcaacn ttnttggccc 600
acnttttttt ngggcttgga ngtnggaccc ctaaaaaacc caaagtttat taagccatt 659

<210> 914
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 914
ctggcgatct cctgaattga gnccaactga gggacctccc acctgaacag gacgattgaa 60
ctttgctttg cgatgacaca agcgacatct tggaagaggc aaaacttgag acaggtcttc 120
aaggattggt gccatctgga caggttgaag aggagtagga gggctttcgg atgtggagaa 180
tggcatgcac aaaagcacgg agcaacactt tatgccagtt ggattatggt ccattgggag 240
aaagatcaat taaggtgaaa ccccagtaga gaaagcactg gagaacaaca ttcattcttc 300
cttaataaat cttagtttta aatatttgct ttgagttttg ttccattaat aaagaaaata 360
agaaggaaaa ccccnnnnnn nnaannnnnn nnnnangggg cnggggggcc cntttnnnnn 420
ggntttnanc cgggtnnntt tttttaaaag ggggggcccc ccccc 465

<210> 915
<211> 124
<212> DNA
<213> Homo sapiens

<400> 915
gccaagatga caacgagccc agctgaagct gacatcccag caaattgcat gacaaattgc 60
aaagacgact aacccacaac ctactcttct ggaaaataca atttaaataa aataatttta 120
agtg 124

<210> 916
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 916
gatggagtgc aagtggtgcg accttggctc actgcaacct ctgccttgcc tccggagttc 60
aagcgatcct cctgcctcgg cctcccaagt agctgggatt acaggcaccc accgccacac 120
ccagagagtg tgacgatccc cctgatgcgg ctgagatgtt ctgaaatgaa gacgttggct 180
ctcatcccca gcctgaagag agaaaattct gagatggctc ccttacagat tgagagcaga 240
tacggggttt caccgtgcta gccaggatga tctcgatcta ctgacctcgt gatccgcccg 300

cctcggcctc ccaaagtgct gggattatag gcgtgagcca ccgcgcccgg cgggttgngg 360
gttaatatta aggcacttgg gtanggaaca cagccaanaa cgattgcagg atgggtcctt 420
ccaggacact tgacgtctca 440

<210> 917
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 917
gtggcctttt caatccttcc agctaccagt cagtccacaa gcncttatgg gacaccagac 60
cttgcctgga gcagccttgg ggaatcaaat aggagccagt ccctgccctc cagaaactgt 120
gtgtctgggg gagaagatca cacacaggaa aatcaagtgg tgacaagagg tgccatgaga 180
cagtatatag ttcatttccc caccgcaaga gtaaagggct tagggtcaga ggctttggtg 240
cctgagttct gactctgcca attattagca ttgggacctc agactcagct ggcagagagg 300
agaagcagcg ggacatcagg actatggctg gacgtcagan aaaaacaact taactttaaa 360
aggtggcagt tggatgggng taacttagga gaagaatctt gactgggaga cggccagact 420
tcanaagaag atgacctacc cccccatccc cttttcagct tcc 463

<210> 918
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 918
gttcagagag cccatggtgg ttcgggggaa gcatcagtgt tgtctacaag aatatggagc 60
ccactccaaa tgaaataatc agataacatt gaaaaagagg aaatccgcac aacgtccagc 120
tatggagtag ctacatggtg aaatgccggg aagatgtcca ggacaggatg tggtgacact 180
gtgggaaggc tttattgcag aagggaattc taagaagtgt gggagaacca tgaaatttag 240
cccagaagag taagaaacat tgtgccagga ttggaaagga acagctctga caaggaaaca 300
agaataggag aaaaatgcca gtgcagatag agggaggtgc taattgctct tagccaaaaa 360
cattanaagg atttgtcaaa aggagtctta cgttaaatat anaaagtctg cttctc 416

<210> 919
<211> 371
<212> DNA
<213> Homo sapiens

<400> 919
tagagacgaa gtttcaccgt gttagccagg atggtctcga tctcctgacc tcgtgatcca 60
ccccactcgg cctctcaaag tgctgggatt acaggcgtga gccatcgcac ccggccaagg 120
tgacaaaata tttcttgctg ttagttgcag gagagagaaa agatgaatac tgatccacgt 180
ctgagagaga gacaaaaatt caagttggag aatggtccag atacatcacc aaagcaagga 240
ggactgtaag tggatatcaa gaacctgagt gcagagacaa gagacagatc tctgtttctg 300
aaaacatggc aaggaaaata acctaaatat cctctcacta tcaagcatta aaaatggtgg 360
attaaatttt g 371

<210> 920
<211> 373
<212> DNA
<213> Homo sapiens

<400> 920

ctgccctgtg tttgacattt ggtgattgta ttcctttcct gggacagccg taacaaaacg 60
ccacaaactc agcagcttca aacaaccaaa atggattctc tcacagctct ggaggccaga 120
aggccaacac tcaaggtgta ctgggaccgt gctccctctg aagcccccag ggaagaatga 180
cttccttgcc cctgccagct cctggtggtg gccggcggtc ctgctcgctc cttggcttgt 240
agacacatct ctcccatctc tgcctccacc accgcgtggc cttctctgtg tgtctgtgtc 300
cagatttccc tcatataagg gcatcaagtc attggactgg ggccatcctc atacaacatg 360
ctggttagcc ttg 373

<210> 921
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 921
cttcactcct tagcccagcg agaccacgag cccaccggga ggaatgaaca actccagacg 60
cgctgcctta agagctgtaa cactcaccgc gaaggtctgc agcttcactc ctgagccagc 120
aagaccacga acccaccaga aggaagaaac tccgaacgca tctgaacatc agaaggggca 180
gactccagac gcgccacctt aacagctgta acactcaccg cgagggtccg cggcttcatt 240
cttgaagtca gtgagaccaa gaacccacca attccggaca cacctggatc tctttttcca 300
gtatcactat cagttaaatc ccgcctcccc ccccccgaa atttataatt tttttaaccn 360
ggcacccttg gagatttatt taggaaaact agngacnctg ntttntttga naacaganta 420
aanagcgngg gtggaacttt t 441

<210> 922
<211> 341
<212> DNA
<213> Homo sapiens

<400> 922
agatgaggcc ttggagcagg gatgctggcc acccatggag aaaaatgaga cctgtgttcc 60
aggctgtcag cagagtcccg gaggctttgc ccatggctgt ggttcaaact gtgttccaca 120
aatacttgca actgtctgca gggcctcgga gacatgggcc aaatgggttt ccctcccgaa 180
tacccaggca tgacacaact tcagctttca tctaattata cactggacat ccacaccgtt 240
tcacctgcaa agggttctac tgttaaaata aataaacaaa ataaaccctc tcttttataa 300
tatgtgaact ttaaattaaa ataaaaaaac agattagcaa c 341

<210> 923
<211> 639
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(639)
<223> n = A,T,C or G

<400> 923
gtcctcctaa atgtcttccc agccccttcg agagaattgt ggaagtgggg ttgccagatc 60
aaacacaaga cacccagtta aaattcaact gtagggtttc gctttgccat gcaggctgga 120
gggcagtggt gcaaacaggg ctcacaggca gaggctgctc tgcctcctag gatcaaggga 180
tccccccacc gcagcctcct gagtaactgg gattacaggc acaagccatc atgcccaggc 240
aaggattcag ggacatctca gagccgctgg ggtctcgtcg ccttcaggtc gtctgggctg 300
ggaggtctcc tccctcttcc tccaggcacc agtgggagca ggcagtcaca ccttcctgtg 360
agtgagaacc atagcagaac cttcaaagca cctctcaagt cgggctggag tgcaatggcg 420
tgatctcggc tcaccgcaac ctncgcttcc gggtcctggt tcaagcagtt ctcctgctca 480
acctcctgag tagctgggat tacaggcaca tgccaccacg ctcaactaat ttttgtattt 540
ttagtaanag atgggggttc accatgttgg ccangctgnt ttcaaaactc ctgacctcgt 600
gatccgcctg cttcggnctt ccaaaatact gggattaca 639

<210> 924
<211> 322
<212> DNA
<213> Homo sapiens

<400> 924
ggaaggatgc gattggtcag catgaatcat ctgcccaccc ctatcgtgcg tatggactgt 60
gattgacagt tacgtgcacc acatgaagaa aaaagcagag ttcttcaaac agcatgatac 120
tgtaagagaa ggaatggggg acaagatcta gggctgcagg attaaaaaaa caaccaaacc 180
aaacagctgc tactcttcat acgcgtcatt attcctttcc ctttattttg tgaaatattt 240
aagtattttt ataaattgtg atattagctg cttaaagtat tgtaaataaa attaaatatt 300
gtaattaaag atgtatatat at 322

<210> 925
<211> 307
<212> DNA
<213> Homo sapiens

<400> 925
ctgtcatttg ccctctctga tgaggtcagt taccatgttg tggctatcct gtgaagaaga 60
ccagatgaaa aggaactgag agatgcctct gaccaacagc agaggaggaa atgaatctgg 120
aaacaaccat gtgaataaat ctgagaatga atgcaaccct agctgaacct taaagtacca 180
tctgacacct tcattacagc cttgtgatag actgagagcc agaggaccca gatgaaccac 240
actgggtacc tgacccacag aagctacaag ataaatggtt gctgcgataa taaatggtta 300
ttgcttt 307

<210> 926
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 926
gggactcctc ttagtnagac ttgattctnc ganctgngat aaaatcanaa gtggantagn 60
tggaaaaaaa catgccacct tcttgctgac attttgttta actctcttgg ccaagctgat 120
tcctccttcc tccatactcc caaggcacct gaggtctggc tcttcaggct gtgtgacgac 180
agggacttta aagaggcaat gaaggtaaaa tgaggtcatc aggatggact ccgatataac 240
cggtgtcctt acaagaagag aagacaggac acgcncacaa agcgagggtc agccatgtga 300
ggacagtgag aaggcggccg tcacacccca aggagagagg cctgggaana aaccaacctt 360
acaccttgac atcaaacttn tggtctccaa aactgtagga aaataaattt 410

<210> 927
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 927
atggagtctt cctctgtcat ccaggctgga ttgcagtggc aggatctcgg cttactacaa 60
cctccgcctc ccgagttcga gtgattctcc tgcctcagtc tctggagtag ctgggaatac 120
aggcacccac cttcgtgccc agctaatttt ttgtttgtat ttttgtagag accgggtttc 180
accatgttgg ccactctggt cttgaactcc tgacctcagg tgatccgccc acctctgcct 240
cccaaagtgc tgggatgaca ggcttcagcc accgtgccca gccaagatca agttgttgtt 300
ggcagggctg cactccctgc aaaggctgta ggagacaacc catctttgct tcttccagct 360
tctaggggct tccgcagcat gccttggcgt gccttggctt gtggctgcat tactccaatc 420

tctgcctgta tggcaaatta cctcctcctg gtccatctat ctccctgtgt gtcacttata 480
aggacagtta tcattggatt taagtgccct cctggatgat ccaggatgat ctcatctcaa 540
gatccttaac ttaagtacac cacaaaagtc ccttttgcca aatgaaataa cattcaccat 600
ttncgaggat aaaggacttg gatacatctt tttgggangn caccattcaa cacactacac 660
taataaaa 668

<210> 928
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 928
atggagtctc accctgccac ccaggctgga gtacagtggt gcgatcttgc ctcactgcaa 60
cctccacctc ctgagtacaa gtgattctcc tgcctcagcc tcctgaatgg ctgggactac 120
agagctgaag tctgcctttg ttactcagga gtctggaact cctggagttg aaactcctag 180
cctcaagcaa tcctcctgcc tcggcctcct gaagtattga aatgagatct ctctaagtgc 240
ctcaggctgg acacaaactc ctgggctcaa gtgatccttc tgcctcagcc tccctagtag 300
ttgggactac agagaatttc cctaggtcaa atggcaccca gaaactgcct cctctacctt 360
gaaagctaca ctgtcttaac cttgaccaat ggctgactga tgtgggaatn caaaagtcct 420
cctncttgtc tcaaggatgg agccttgctc tgtcactcaa gctggaacgc aatcgcgcga 480
tagg 484

<210> 929
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 929
gcagcaaatt ccaacaagag agaagtatca ctggatggca aacggagagt ggggtcccag 60
cctcactctg agggcaggct gaacacctta gggaccatca acccccggng gtgtcgtttc 120
cagtgaaaac cgaactccgg gatgtagccg gattgganag aagcgagtgg cgcgtgcgcc 180
cccttcctgc ggcggatgga tgaacgtttc ctccaaacct ctnaagagcc cgtgggattt 240
taccctttca cctgcctccg cttctgctgt atcttgtccc agttcgttaa gtgtgaaggt 300
ctcagcagcc acacctcgac agcataccgg gaactctcaa tactcctcta cccattagca 360
ataaacaatc caaaaattc 379

<210> 930
<211> 62
<212> DNA
<213> Homo sapiens

<400> 930
gctggagtaa aagggacatt gggaagatta gttggaattt gaacaaaaag ctccatttag 60
ca 62

<210> 931
<211> 418
<212> DNA
<213> Homo sapiens

<400> 931
atcaaaagca gcatggatct gcctgtggat gagtggaaat catatctgct tcaaaagtgg 60
gcttcactcc cgacgtctgt tcaggtcaca atttctacag cagagacctt gagggatatc 120

tttcttcact cctcttcact tcttcaacag agtttcgctc ttgtcaccca gcctggagtg 180
caatagtgcc gtcttggctc acagcagcct ccgcctcctg ggttgaagca attctcctgc 240
ctcacctcct gagtagctgg gattacaggc atgcaccacc gcgcccagct aattttgtat 300
ttttagtaga gacgggactt ctccatattg gtcaggctgg tctcaaactc ctaacctcat 360
gtgatccacc ctcctcggcc tcccaaagtg ctgggatgac aggcgagtta agcgcctg 418

<210> 932
<211> 83
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(83)
<223> n = A,T,C or G

<400> 932
gtgncggtgn agntggncct gcagngccga tccttncncc ctagtccnga tgccctggga 60
acctcttttc ataatctgca cct 83

<210> 933
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 933
ggtttgcatc gccagcttct atatattacc ggccctttt ttttgctggg atattatctn 60
tgnaaaaacg ggggaanact acccttgtnt gctggggagg ggacccgngg aaatggtttg 120
ggatatatga aaattacntc cnggagggat tttcctgaan aanataanaa aacctntggg 180
ggaaattttt gaaaaaattc catccaatac cgtngaaagt cttcaaaaat gcttgctcca 240
agtttcactt gataccngct tgnttcttga aatttgaaag gggacattgt ttttttatga 300
caagnnggaa agcttatgct aaatcctggg atnggggngn cnccttttgta attaaaaaaa 360
tacccccc 369

<210> 934
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 934
gtaattttgg aaattacaga aacatgtaaa gaaaaagaga aaaatacagc tgtgtcataa 60
cctcattgct ggaggcagtc gctgttaaca tcttgtggcg aacactgagc ttcatggctg 120
actcttcaca atttgatggg gatcttgcta tgttgcccag gctgaccttg aactcctgac 180
ctcaagctgc cctcttgcct cagcctcccg agttgctggg attacaggtg tgagctgctg 240
cacctggccg atttantttt ctgtatgaga tttggtactc tgaatatttc tttcatccag 300
gagagagtta ttgcttctat gtgcagatct tatttgcatt tgggatcacg gactggaaag 360
ggctcagggg tttatatcat tgcaccgatt tacaaaaagt gttgacagcg gggaggganga 420
tctgaaatca gggccttcnc gaggaggctg gctgaccctn atttcctgct ggctt 475

<210> 935
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 935
gagagaggga tctcattatg actgagaaaa aaatatcaag gaagagttgc aacatgtcat 60
ttgcctccct ctggcctcat tgttattttc tcattctctc ctcccatatt ttgnaagagt 120
gcattgattt attgccattt tcatttttta aaacatcttc ctcctacctc aacaagcatt 180
tttgcccaaa gcgagtatta acaacttccc cccagttctc cttgtgttcc tctgtcgagt 240
gttcttattc attccatttg tnaaaaaagg aattctntgg gccagcacaa agcatctgct 300
gcttctatcc aggcaaagaa agatggtggc atggggtttt tatttactga aggctgggac 360
gaacgcagag ctaagtgtgc attcctggtg ctcctggctt tgtaggtgat acaaaagctg 420
gtnnncctgg caagaaanaa aanccctttcc agaangcaaa atcaatgccg gcncccccact 480
tcacca 486

<210> 936
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G

<400> 936
atagagtctt gctctgtgac ccaggcttgt gtgcagcggt acgatattgg ctcactgcaa 60
cctccacctc ccaggttcaa gcaattctcc tgcctcagcc tcccaagtag ctgggattac 120
agatgaggtc tccaagggac cagatggaga acagatgcaa ccacactgaa gtcagaatcg 180
cagcttgcct ccgacacctg acgcttcact gttggcgagg cccactatgc ctcgctctcc 240
ccctggaatg agttctatcc cagaggctcc tataccctttt agaaataaac tgctcaggca 300
gcccaaccag ttcatccaag aggcctggaa ccacagcagc gtcgacagct gagatgagag 360
ttggtccctg atcttataca nancccgggt ttaagtttga nttctttctt ttccttgnca 420
agaacnttta aaaaaaaact ttttgggggc cggggcattt tcctggttnt tttccnaacc 480
naaaaaaaga nttttttttt aaaacc 506

<210> 937
<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

<400> 937
ctttcccacg gggnggnctt gccccttccc tggtgggggc tccnntgggg gaaanaaagg 60
gggganccaat naaaaaaaaa tgcggggacn tctcatgatg acctgggncc ttggtnttttt 120
tnaaataaan cctnttttttt taccttgttc caataaaaaa gctgaacttt tt 172

<210> 938
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 938

agaactggag gcagtggcan tcattanggc tgtctttggt gccttaaaca agtatttgga 60
tcaaggtntt tgtaaataag aagatttttt ggatggatga agaaagatnn ctttattcna 120
gcacccaaaa aagccaaaag cnttttaant gcccatatta ttgtccccaa agaaaattgg 180
tataccaggg accctgggct taancttatt tcatttgcna tggcagggta ccattaaaag 240
aaaacaatta ngatgcccgn acccaaaaat gccaattacc ctgggaagga accagaccat 300
tagaggttgg gaaaaattat tntgggntat tggggaaagg ggtatttccc aacaaaaaaa 360
aggaccattg ggattgaaaa aggaccggaa cgactttctt tggaaccaag aaaaaacccc 420
canggaaaaa ggtcaaaaaa aaaaaggaaa gccnnccana gaatggattt tcttggaatg 480
gaaatantgg antgggaang aaccgacttn ttgcaangcc ctcnaacttt ttatttttca 540
acccnccaag gncttggttt caaacccttt caagggaang gggttttcaa aa 592

<210> 939
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 939
tttgctctgt cgcctaggat ggagtgcaag tgcagtggcg cgatcctgca acctccgcct 60
ctcgagttca agcgattctc ctgcctcagc ctcccgagta gctgggatta cagacgcgcg 120
ccaccccacc cagatgatct ttttaaatgc aaaatgccat cgacgcaaaa aatcaaagaa 180
tcagcttaag ttccagaaaa aagaaaaacc naccnaatga acnatnagac naccnccncc 240
nccaccaaaa aagnctttg gggattttgg gaaatatttg ngtntnattc ntntacttta 300
ccngngagaa aagagnnttt ttttanaant nggncntcca anatggagat ttaaaattca 360
tttanggctt ttggaaangg ttcttaaaan aaatggattt ggggg 405

<210> 940
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

<400> 940
atgtcctaca acaaatggta gaaagagaag gcatcacaac agagaggttg catgagcggg 60
tttcccacat ctattatttc attttatcat tgtaactgtg actttcaaaa gaatgngagg 120
gcataattaa acatttactc acgaacc 147

<210> 941
<211> 224
<212> DNA
<213> Homo sapiens

<400> 941
atggccacca gagctgcact ggagagtgca tcttctgctt ccatgtgtgg gaagatcact 60
gtgttctctg tgacccagta gtgtgaattg cttatctgtt tctgcattaa ctcaaattta 120
tcagtgatta ttgcctgaat acctcatgct ttctgagatc tacaggtaca gatttagggt 180
tgaactcttt ctctaaataa atttaatcca tgtgtgttaa aaag 224

<210> 942
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(471)
<223> n = A,T,C or G

<400> 942
agccaataaa ttttcttggg gctcacatgt tttcataggc ccctgaaaag cccggaggcc 60
ctgggtactg tgcctttagt gccacgtgga aagaacagct tgggctcagg acttcaggtg 120
gtctccaccc ggccactgga gagaatgaga caaaaaagcc ccagatgagg agactcaaga 180
agctatgaaa ggtgaaggca tttgctcaga gtcacacagc tactgaggag caaaccaagg 240
atttaaccct tcatcccttt agctttgagg atctttcagc tgcccagtgc ccgtgaagat 300
gaataaatat taactattac tattatcatt atcagaatct tcctctccct gaaggaatta 360
aagaaaaaaa aaagcctcct nattctaccc ggttactnac tggngaaccc angggaaang 420
gacttaatct ggcngggcct cagtttgtca cctataaaag ggggatatag g 471

<210> 943
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 943
aagcctgtct ttgctcggng cttatcatct ctggaaaggg aatggaagaa aaattcaagc 60
ctagccaaaa aaagctggaa ngggggnccc ccanaaagtt ccaagtttgg atgggtggat 120
aaanaaaatc atttcctngg ganggacant tccgggaang gcactcttac gctttccnaa 180
aatcantctc ttacccctca aagggctttt atgcttgctt aaaggcaagg gccancccc 240
cgagtttngg ctggggacct cttaaattta ttgggggggc nctccccctt gaatggtgng 300
gaaaaagggg gggggccttc ccttcattta aaaaaggtgg t 341

<210> 944
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 944
attcattcgc aagagactgg gttattataa agcaaggttg ctcctcctcg ttggtctctc 60
tgcacgcatg aanaaaaggg cggccctttc ttcattatgt tctgatccga cacatggcct 120
tgaccagaag ccaagcagat gctggcacca tgcctcttgt acttcccagc atgcagaacc 180
ctgagagaca gtgtttcacc atgttgtcca ggcttgtctc aaactcctgg gctcaagtga 240
tcttcccacc tcagcctgac aaagtattgg gattacaggc gtgagccacc atgcctgacc 300
taaaacattt tcatcacctc aaaaatatct tttatgctct ttccaagtta atcaagcttc 360
tcacccccac cccaaatcca ggcagctgnt gggctgcttt ctgncactat aaataanaag 420
nggattttaa nagctcacat aaanggaacc atacagaata taatctttg 469

<210> 945
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 945
cacaaagatt gagaaaatgc tgttgncccc caagaaaaga gatttttcag caagatgtgg 60

ggaagaccag taatgaaagg gttgtgagat cttgaatttg caagtaatag actgcctcct 120
ggaccttccc cattgagatc tgtcctctga tatgagtgag gaatcttttt gtccatatct 180
tgagcatttt aaacaaaagt taagcttcac tttanattaa actgcatctc caaactttct 240
ttgaaaacta atgctgttag aaataaaaga caagtttgta tatgt 285

<210> 946
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 946
tttcaggggg ggancgacgg nattcatctt naatcaacag tacttttgan aagcttcgan 60
cgggatcaat tccncccccc ccctaacgtt actggcccaa nccgcttgga ataaagcccg 120
ggggcgnttg nctatatgnt atttnccacc atattgccct nttttggcaa tgggagggcc 180
cggaaacctg gccctgtctt tttgacgaac attcctaagg gtcttttccc tctcgccaaa 240
ggaatgccag gtctggtgaa tgtcctgaaa gaaacagttc ctttgggaaa ctttttgaaa 300
acaaacaaac gttttgtaac gacccttttgc angcagngga acccccccaac ttggcgaaan 360
ggtgnccttt tggnggccaa aancccccgtt gtatnaaaaa nccccctggaa aagggnggga 420
naaaccccaa gggccccc 438

<210> 947
<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

<400> 947
aaacttataa gggggatact tatataaaca cantggccac atttccaaat cttcttttca 60
atcccagctg gtggattaaa catttttttgg gaaagtaacc tcctattata aaattaaaag 120
ccaatattaa gagttttnca caatcaagaa tggtcnataa aatttttaac tt 172

<210> 948
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

<400> 948
atgctgcact taaaaggatg cttgttttga tgncctgctc attgttntcc ctatgaagta 60
tcaagtaatc catcctagag ggggngttct ttttaanaat ttgagaagga aaacgtacnt 120
cccanctnct tttatataat gcgagcaaac aaaatatttg ttacaacact tcattcaaat 180
ttatttaata t 191

<210> 949
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(516)
<223> n = A,T,C or G

<400> 949
tggctcacac ctgtaatccc agtgctttgg gaggccgagg cagatggatc acttgaggcc 60
aggagttcca gaccagcctg gccaacacgg cgaaacccca tctntactaa aaatacaaaa 120
aattanccag gcctggtgga gcacgcttgt aatcccangt actngggagg ctaaggcagg 180
agnatcactt gaacccangn gangctgcag tgatctgaga tcgtgccact gcactccagc 240
ttgggcaaca gaacacagac tccntcttaa aaagaagaaa gaaagaactt ctatttttta 300
aangtttttt cctttcattg aactccatnt atngcctttc cattcaaagc ataaagatta 360
aattttaaaa caaggcttgg ccccctggct tatgcctgta atcccancac ttttntgagg 420
ccaaggnggg cgggatcacc tganctcaaa ngnttagaat ccntnctggn taacattggg 480
gnaacccccc tnctntaaga agaaccccat ttttta 516

<210> 950
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G

<400> 950
gtggaagatg caatgctgat gtttgataaa actaccaaca ggcacagagg gagagtagcg 60
atttacgaag agcaaatgga agcgaaaacc ccttttnttc tttgggccgg ctgtgtattg 120
ctggggcact tgggcagacc cccaaagaca tccttaaaga caagagaaat cgggggctgt 180
gtgaagatgt cacatctgca gatagggttc gaggtagagc ggccttttgg gttttctcct 240
catttggaga aattgagaag tagcacggaa gacctccana cccagagctt gtgtacggca 300
cagtccttga aggatttgct cccattctca gggagcaaga cccatcttaa acgtggaaac 360
aaatacagca gagtaataca tacttgaggc ttaatgnaaa gttaattcct cttggcacag 420
ccccagatat cttgaataaa tggtctgcga agtgctgaaa tatcttgata atgnccgttt 480
tacttttgan tatataatca att 503

<210> 951
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 951
gaccctgggg agctcctgcn ttnagganca cctgaggtct aantaaagcn anggaacatg 60
ctgngagcca accaaggaca gcctgactcc anaagataca ttcttccgaa ataagacata 120
aagccttttg tccagtagca cgatcgaggc tactctgcat acagatggag tttcactctt 180
gttgcccagg ctggagtgca atggtgccat cttgactcac tgcaacctcc acctcccagg 240
ttcaacggat tctcctgcct cagcctccca agtagctggg attacagaga tacgattttg 300
ccatgttgcc caggctggtc ttgaactctg cgctcaagcg atccacctgc ctcgacctcc 360
caaagngntg ggattacaga catgagcccc tgcgcctggc cagcttcacg catattgnta 420
taatcttcat ggacaaatcg aaactcaaan ggagntttgc tcttgttgcc ca 472

<210> 952
<211> 476
<212> DNA
<213> Homo sapiens

<400> 952
atggagtgtc tctctgtcac ccaggctgca gtgcagtggc acgatcacag ctcactgcaa 60
cctccacctc ctgtcctggg ttcaagcgag tctcctgcct cagcctctgg agtagctggg 120

actacaggag gagcaagtgc cattctgcct caagacccta acccaggcat ctgaatctct 180
cctgagtggt ctcccttcat tccttttcag ctccacttgg cctagtgaac tccgactcat 240
tctgcaagtc ccagtacacc ttctttaaca gtctgcatga ggcagactct cacagttcac 300
tctatatttc ttccatgaca ctcttcccaa atgtaactaa aggattactt gtataatttt 360
tcctttagca tttgtttttc aaactagact gcagctcact ggaagcaggt cactgaaatt 420
tagaaggccc aaccaacatc ttttaaatga aatcaataaa gcaaagatgg cacaag 476

<210> 953
<211> 353
<212> DNA
<213> Homo sapiens

<400> 953
gtccataaaa gccctgggct cggccacagc agggcaaaga ccagaggaca gagagaggaa 60
ggggataact acctgcagag aggagctatc ctctttgctg agagcttcag aggcctgcag 120
agacatctga acaacctgcc tacaaagagg agccaccctc ttcagagcct cctctctgct 180
gagaacagca gacagcagga tgaccagtgg gcagagaaga gctacccccct ccagggcctc 240
ctctttgctg acagctgaac actccatggg atgacctgcc tacagagagg agctacccac 300
ttccggtctc ttctgagcca ttctaacact aaataaaatt cttcttcatc ttc 353

<210> 954
<211> 326
<212> DNA
<213> Homo sapiens

<400> 954
ggtttgactc cctagaacac ttctatcaaa caaagccgaa acggggagga cagagagata 60
tttacacgaa gtttcaccac cttgcccagg atggttttca actcctgagc tcaagcaatt 120
cgccaacctc agcctctcaa agtggtggga ttacaggcag gagccaccaa gcctggcctt 180
acgtacatct tttgactctc caaaaactta actactaata cccttctgct gaccagaagc 240
cttagtagta acataaacag tcgattaaca catattttgt atgtttcatg tattatatac 300
tgtattctta caataaaata agctag 326

<210> 955
<211> 140
<212> DNA
<213> Homo sapiens

<400> 955
gtccctgcac ctgtcacacc acaaacaatg ataaaaacgg agacacctgg gtgagcctca 60
ctcactgcgc atgcctccat cttcgaagag ctcctgttca ctgtactctg aaatagactg 120
tgcaaaacat taaaactgac 140

<210> 956
<211> 245
<212> DNA
<213> Homo sapiens

<400> 956
actccattgg caacggagca gcagaggaga gaagagaagc atctgaacgt tgagaggaga 60
agcagcagct ggacattgga gactacagtc ggagaggagt tcaaccagag atagttggag 120
agaagtttgg tcagacagcc gaactccagg gaaataccac cttctcgctc catccccttc 180
ccagtccccc ctcccactgg aagccacttt tatcagcaat aaaatcctcc gcgttcaaca 240
ccctc 245

<210> 957
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)

<223> n = A,T,C or G

<400> 957
gagggcatcc caggagaagg cagagtccag gaggcggatg ttgggaagca aatcctgaac 60
tcatcaagtc ccatagcccc tttgtctatg gaccttctgc cagcatcttc tgtaagacta 120
ttaaaatgca ccaacccaag gtctccagtg ctgctgagtc ccccgtgtca cctcctgcaa 180
ctgccacagt tgtcaacagc tcaaatccta gagaccttct tcattaggtc aatgagtatc 240
taaactttaa aaaataaata aaggggtaat tattagcttg ccccccatcc caacaaaaaa 300
aaaanggcca gngnggccan ttcanntnga anttanccag gntgaacttg ntnaaaaggg 360
ggggactacc caa 373

<210> 958
<211> 412
<212> DNA
<213> Homo sapiens

<400> 958
gagatgcccc agtactttaa tatgtaccaa caattggcta tgttatggaa tctgcaatgt 60
ggcctccgct gctgacctct gaaacacaat tcccagtctg actacggaaa ctgttcagtt 120
tgatcctttc aacttatttg aatcctgaca aataagctca cagctgaaag gtcaacatag 180
tcgtatttca tcctccagag ctgttcttaa gacatctgca caacaaagca cttcttatag 240
cacctgacat gggccctcaa tggcactgta cctcattaaa aatgtcccct gcatgcgcac 300
gcattccaag gcacatggtc tggtgatggt ttaccaaata agtgtttaca gaagggttag 360
taaacaaggc agattgtcaa cttttccaat aaagcgtcac tatagtgctg aa 412

<210> 959
<211> 248
<212> DNA
<213> Homo sapiens

<400> 959
agacggggtt tcaccatatt ggttaagctg gtctgaagct cctgacctca aatgatccgc 60
ctcggcctcc caaagtgctg gaattacagg cttgagccac catgcccagc caaccctata 120
gctttgctcc acctgggagg agctggagga caaaggactt cacagaagaa tggagtccca 180
aagaaacagc ttcaggaact gaggagagcc agaaatttaa tgtatttagg gctccccttgt 240
gaaaacac 248

<210> 960
<211> 455
<212> DNA
<213> Homo sapiens

<400> 960
tgactgaaac gctgaaccaa gcttggagct ggagcagcca ttttgggcca cgaggtagaa 60
gccatgtgtt gaagagaatg gaacaagatg gaagaaacct ggtgatcagg gagccgccat 120
aacagtcttg ggttgtctct gtttacatga gagatgagga aactgaggct cagagaggtt 180
aaatatcttc ctcaagaatt ttcgccagag ctgggatttg aaccaaggtc tgcttgactt 240
agaaggcagt ggtccttgct ttctcccgag gagaagggag cagagatacc taaagatgcc 300
tgactcccaa tcccatggga acatgccccc tgcgggctca cttcctctcc tctttgtctt 360
caatttctaa gaatgtcttc ttttcactaa aacaaaacac tccagaatgc attctgcatg 420
aataaagact gccaactcca tggcagaaat aacat 455

<210> 961
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 961

gtaattcatg cagctcctga gacaagattc taaccatgat gaagttggaa ccggagactt 60
ctacgagagg atgagtcaaa actcagtaag aaaggcagtc ctggctccct gccatgcttc 120
tctcccctac cctgctcaca agggctgatg tgtggctctc caaccatcac tccattgctc 180
ctcaagtgga cagtggaagg acaaatgtat ttcagcccca aagcacaaat cacctgattc 240
aaccctcatg ggtgacctag tcaagtggcc acctctgggc cctacatcag cctgcccttc 300
cttttatcat accacctgtc taactgtatt ataaggatct ttttccatga ctaaattttt 360
ttttgaaaac aaaaaaaaaa aagggncnng gggnncnttn nnntnggnct tnannnnggg 420
gaanttnttn aaaaggggggg ggg 443

<210> 962
<211> 397
<212> DNA
<213> Homo sapiens

<400> 962
gagaacctcc ggtgctgaag aatagagagc tgcccgcccc gcctgggaga aaccttcaga 60
tgcgcccccg ttgttccccc gccgacagag gcttgatgcc gcttcaagtg cccgcagtta 120
tttttgtcag ccatcctctc ctcccactcc tcccaaagaa agcattcagt gagtcatcgg 180
gagacccgga gacatctgac ggttgctcag ctggtatccg gccactgagg ggaaggagga 240
gtgtgttgat gtccccttgg actctccttg aagaaactgc atagattcac agactcctgg 300
aaaatcagaa tccagaatgt gcacatgata cacgtttggt gtgtgtgttt atttgtattc 360
actcacggat tcaacaaata tttgttgatt acctgcc 397

<210> 963
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 963
gaggaactga cgagccttcn tctaccacat aaaaattgca gcaaaccctg cagctatcct 60
gaagctgcca tgctgaaaag gccaattggg agaccacata gagaccgaga gagacttcca 120
aggactccag ccaatcctgg gccccagcag tttgaatctc ccagcaatgc caccatacag 180
gagagggagc aaatactcan aagattcaag tgccagctgc atgggttgat acctacataa 240
aaggcattgg cattattcac aagagccaag atatggaaat aacctgtgtc cattgacaga 300
cgaatagatg agggaaacgt ggcatataca cacagtggaa tattattcgg acttaaaaaa 360
agaaggaaat cctgaatcct gctatttctg acaacatgag actgcaggac gttatggaan 420
tggcccatca tgctcttnta aaactttnca tccctcagnc aanaaggggg agcctattta 480
ccctggncct tgaantggaa naaggacttt tgccctggcn ttgtttttan catccccttg 540
ntgaaaaaaa aacc 554

<210> 964
<211> 131
<212> DNA
<213> Homo sapiens

<400> 964
atttttcttg gattttattt ccctttcaat ggcctactct cagtgttggt gtctgagctt 60
cctctgtgtg gaacagaaga tttttaaacc tgtatattta tagcaaacaa tgaatctcta 120
aatagttctc c 131

<210> 965
<211> 305
<212> DNA
<213> Homo sapiens

<400> 965
gctgtgatga acagaaagag gccttggaga gccgtgggac tcaggagctg gagccaggct 60
tgagacgggg tccagaagga gcaagatggg atgcctttgg actgagacct taaattccac 120

ccagtttatt acaaccatgc tcactcctct acctgccctg ccccaatcgg tgcaaactgc 180
cttctccagt cttgcttcct ctctaatcca taggttgtct ctgttttaag aaggcaagtg 240
gccagtgaga gccttaaact accttagtgt tctctaaata agatatgcct ccatggagtt 300
gtaag 305

<210> 966
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

<400> 966
gtgattgcaa atctatggat gagaccaagg gagaattttc acgccatcat agcattttat 60
tcctcacctg actgggaaca gctcgaaggg aaggacatgt ctccaaagac atgaggagta 120
ttcaacgtgg cattcgaggc gcaaggaaaa acctgcctat cccaagatct cagccccatc 180
agccagccaa gggatccaca atgaccctta tgaagtttca taaggaagct aattgcttaa 240
atgagatttg agtcaagaag gatgacctag caataacctc tatatatctc attatgccaa 300
tacttaaatg gctacataag aggacagtcc agtgacagac atggaaagag gcttagaggt 360
catctcattc atcacaccat tttacagagg aaagcaaaat gccatccaga gaaggaaagt 420
cacaaagcca tctaacccca gacctgggag tagcagctga tcacagcggg tcggacacaa 480
gaagctgctt ncaaaaatct ttnctttcat ttggctacag agaagacatc agaaaacaaa 540
antttataac atggctctag ctctaactca ctattcacta aagggccaaa ttaatagggg 600
a 601

<210> 967
<211> 161
<212> DNA
<213> Homo sapiens

<400> 967
agacgtgagt cttgctgtgt tgcccgggct ggctttgcct ctggaactca agcgatcctc 60
ccacctcagc ctctcgagga gctgggacta caggcgtgca ccatcatttc ctcctaaaat 120
tgtatgtgct gcatatataa aatgataaat gctttacata t 161

<210> 968
<211> 315
<212> DNA
<213> Homo sapiens

<400> 968
cttctccaga ctctgagtta gaagcaaatg aagattggtg gcaagagcac ccactcctcc 60
tgcaagtcgc ccagcagtga agtaggaggc ttggacacag ggagagataa atgtgggttc 120
ttctaagaca gatgcaggat ccagcttatt ccttgaagtt tccagtgttc tgcactctac 180
tacttgacat ccatctttcc ttcatgaccc cctgctctat aacttcaggc tcagcaccaa 240
acagaataaa cagttgaatt aagtatggct actacataag gtcagatctc tataataaat 300
tctttactct acctc 315

<210> 969
<211> 280
<212> DNA
<213> Homo sapiens

<400> 969
aaccacaaca tttggagatt accaacatgg ttttcagccc tcagctttgg cgaagacttc 60
ttccttttca ttcttttctg ggcaaatcta aacctttgga gaagtagatg agtgaagtca 120
attgcaaaga agaggagttt gggacacaga cttgtgtgag gacacaggga gaagacagcg 180
tctacaagcc aaggagagaa gactcaggag gaaccagcct tgcccacacc ttgatcttgg 240
acttccagcc tccagagcat aagagaataa atttctgttg 280

<210> 970
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 970
ctgtagtgca gtggcacgat cttggctcac tgcaacctcc acctcccagg ctcaagcaat 60
cctcccactg cagcctccga gtagctggga ctacaggcat gtgccaccat gctgggctaa 120
tgttcgtatt ttttgtaaag atggggtttc accatattgc ccaggctggt ttcgaactct 180
ttgagatcaa gtgatctgcc tgcctcagcc tcccaaagtg ctggaattac agtgctctga 240
atgaagtggc aaagactgag ggccttgggg agcaagtctt caactgccaa acagtcagtg 300
aacagataaa gaaccacaga aacagaggac tggtcccagc nagcgtcaga cccccagcaa 360
ggagccagtc tgcactgacc cactgaagaa atggctcccg ggggcttgac tttgtatttt 420
aaaaaaagtc cgcaagtcaa cctaaagact gtagctttca accactgatg tctcgggtgn 480
acacttgaca tttggaaaan tnggctggtc atttcacccc acccatcatg gtccctttnt 540
tttactgagg gtccaaaaca caaaatcacc ttagaatcat ttggttt 587

<210> 971
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 971
gagggccact ggcctggaag accagacaga aggctgcaga ggctggtgcc gctccacatc 60
cactcaggcc caagcctgac accttggagg acacgctgga gacacgtgga aagttgacca 120
ggaacagagc caagtacttc ccaggctccg tgggcatcaa agggattgca ccttttccag 180
acccaatcca cagctgcagg cagcaggcag gagtctgcac tgacaaacga ctcacctctg 240
cacactgctt gattccagaa cctgcgttct gacaccgatc acacctgcca tcccctgccg 300
ggcccaacct cactcaggaa tgcctgcgac ccagcagcct gtcgtgggct gtgctgcgaa 360
tgccacacat gggccaggct cttcctcccg caggcctttc cagctgtcct ctgcagcttc 420
cttgagctcg ttctcttttt ctctgtgagg catgnaagtg agatgcatgc acccaccttg 480
gtatt 485

<210> 972
<211> 221
<212> DNA
<213> Homo sapiens

<400> 972
ccgctaaatc tgtgttgctg agcctgctgt ttgcatgcag gaatgtgaag gactgctcaa 60
gttggagata caaattgaag ccagccccag ttcaaaactg ttacaaatgg agtctgtagg 120
catgaggggc tgactatata actcagagtt ctccagtact ttactttaat aaagaacaca 180
atctttatta aaggataagt aataaaaatg tgttgatgtg c 221

<210> 973
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 973
ctaatgcaag agatacacca agctgagcaa caagaaaaga tctactgaaa gtctccttgg 60
ctttaccaag aaagttgccg tggaccctta ggtcacatag cctgaccatg ctcagatgaa 120
ccaatggtgc aaccacagga ggaacctaag tgctcagctg agaagcaggg actgaatcaa 180
gcagcagaca cgatgataaa gtttggatgt ttgtcccctc aaaatctcat gttaaaatat 240
gaccccaatg ttgagagtgg ggtctaatga gggagtcctc ccaagaatgg cttagtgccc 300
tccaagagga aatggctggt aataagttta cacgagattc ggttgttaaa aagagcctag 360
cacccctcc cttctcccct gctccctctc ttgcatgtga cacacctgct tccccttgct 420
tctaccatga gtaaaagctt cctgagatct caccagaagc caagcagatg ctggtgccat 480
gcttgtcagc ctgcanaact gtgagccaag taagcctctt ttctttataa attacccaat 540
ctcaggtttt catttataca atgaaaaaca aacccatatt ac 582

<210> 974
<211> 223
<212> DNA
<213> Homo sapiens

<400> 974
gtggctctcc ctgtgtgggt acaagatgac ccccggcgtg tcccagcaca ttcaggagga 60
acgttctgcc gtctcagaat cccagcgggg cacagcagga cagaaatgct ttctcttttt 120
taaaggactt accattccgt attctgagcc tcagtggctt atctcatgtc gtgagtccca 180
ttaagccagc cacttggacc agctcaataa aatgctccaa tgg 223

<210> 975
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 975
gcctacagtc agctccaagc aacggcacag acacctcctc ctccggatga ccaggattgc 60
ctctgggttt gtcacaagct ggaacagggt cctttggagg atggggctct gtgaagaaaa 120
agaggtgaag tgtttggatt cagtctgagc caaaggccac tttatctggg tttaaggaca 180
caagactccg tgaaagacaa gctagttctt cttcctgccc cgggagtcca ctgcaggccg 240
atgcagacgc aaccacttcc tcagccgctg tggctgagag cccgccactg cactctatgg 300
gcttggtgct gggtatggag aggagggtat gacatagccc ctgccctcag agttttttcc 360
tactcattat ccctgctgtc tctggggact tcttaaatgt cagcaatcat tgtcatcttc 420
actgttgctc cgcagcaccg cacatggctg cacctgggcc atctnctctg atgtaaaggc 480
tgtgcagcca aaatttgcaa ttcttccccc agcttttaaa attgtgtaaa atatat 536

<210> 976
<211> 142
<212> DNA
<213> Homo sapiens

<400> 976
catcatgttg ccttttaata tggagcatgt gccatagctc tccaggagaa cccctctgtg 60
tcacagcgaa cctcggtcac tgacactcaa aagaaggaat tatttcaact caataataaa 120
caaataaccc tattttaaaa cc 142

<210> 977
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 977
ctctaccatg tgaagattgt gcctgcttcc tctttgcctt ccaccatcat tgtaagtttc 60
ccgaggcctc cccagctatg cctcctgcac agcctgcaga actattacag ggagcaactt 120
gaatttaatn cttctgattc caagtgtggt gttctgcctg tgcatacgga agaaggacga 180
cacccaggaa tgtgcccact gcagatggga gctggaagaa actgccgtta tgtggagctc 240
aatgtctcct tttggttatt ttgatgcatg tttggggagg gacttttgct gtcccagtgc 300
attgtcttga antttaaagg ttatccttaa aactcatgct tcctt 345

<210> 978
<211> 204
<212> DNA
<213> Homo sapiens

<400> 978
aaacgaaaat ggacggccat atgtcacaag agaatgaaat ctttgctccc aatccctgtc 60
ttcagagctg acctagaagc cagccactcc actcagaccc aattcggatc actatgttcg 120
tgaggacttt aacagcatca ggagctccct ctgactgcta tatgaagaga actgcactcc 180
tgcccgagca acagagcaag actg 204

<210> 979
<211> 309
<212> DNA
<213> Homo sapiens

<400> 979
gcctctctgt tccttgagac acagcaatat tgaaattggg ccaatgaata accctacagt 60
agcctatcat tcactttggg gaacggaagc tgttgtgagc aaccctatgt gagcctcctg 120
tcctcagcta catcgatgag cttggcagtg aattatctag tcccatccaa gcttccagaa 180
gactgcagcc ccagctgaca gcttgactgc aacctcatga atgtttctga gctaggacca 240
cccagttgct tctgaattcc tcaccctcag aaactatgat acaataagtg ctgattattt 300
taaattgct 309

<210> 980
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 980
gtggggtctt tcacaccgta aggcactcgg ntcctcggac ccaccccgtg tggaagagca 60
tagctgggac cacacaccaa ccttccaagg acccactggg agccctactc acacggactg 120
tggccagagc cctggccaag gggttctcag tggggaatat gctcacttca tcttggaaga 180
ttcagccaac tctccaccag aaagtcatca tcaacagccc ctaccctcga ccatggatga 240
gagcaaatgc tccctgggcg ccagccagat ctggatcctt tgaccattcc gacagcagtg 300
atcgaggaac agaaatgccc agtgtctccc tgactggctg gggcatcatc cagaccaggc 360
ctcctggctg cagcccctct cccaggctgt cctctgcaca agggtctgta gcaagttgca 420
ggcggaggca ggacagccat cctcaagctg cgactcgcgc tacgaacact ctntacaccc 480
aggccttgcg gtgtccatgg tctcctgggc agatcttggc caagggtgtg ctttaggtgg 540
cctcatctgc gtccggncga ngcctgcccg ccggccgttt ggtttcttg 589

<210> 981
<211> 259
<212> DNA
<213> Homo sapiens

<400> 981
cacacaacct ctgacaagga agaaaggcca caaggggatg ttgatcaaat ccaggtcaga 60
actccatcaa ggtggacaga cactcaacgc cctggtagat aacaaagaca acggtggacg 120
agcaataaag aaatctaaca aggtctcaaa ggaacagcaa atgaatttca attttaaaag 180

gacatgggtc attctagaaa tcaatgtgtg tgcaatccaa cagttccata tataaatacc 240
agaaaatatt tatgaagcg 259

<210> 982
<211> 191
<212> DNA
<213> Homo sapiens

<400> 982
gtgagcacac cagatgctgg agcactcctg ggaagagaaa cagaaagagg aggaggaagg 60
gtgccaaaaa caatgtctta tttggccatt tttcccttga ccctaatgct agaaaggaag 120
gagagaggga agcttaaata atttataaaa tcctggtgaa ttgtcaatta agtaaatcct 180
ttttaaaatt t 191

<210> 983
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 983
gcctcataac ctcagttgtt actgatgctt gttttggttg tcaaagaaga atgaggagag 60
gagatatagg aggtggactt ggaggtttgt tcggagtcac tggctgcagc aagtctcctc 120
ccacacagcc gaccccattc ctcagacctg cactctgtac agcatggcta ctgaccaact 180
catggttaaa tgcgtaggag aaactgaagc acagctgagg tgcccaccat cagtagagct 240
aggccagcat cagaggaagc tgggcctcca agcccttctc ggactcagaa tcctcccagc 300
agatacccag gcagaggagt gtgaactctc agcccctaaa aagggttttt ctctattttc 360
catgagttag gatccatgat tacagtccag tccctaagct ataatctctc agaaagagga 420
gcgacaagaa gcggatgtga gaaagtaaag agattttcag gcattaaaag catggaaaga 480
acaaggcagg ggagatgcct acccccctgc ctggaggact cttggcgctg tgctgggtnc 540
acttctggga aaaaagngct gaatgnccac tccatgccct tctgggtcaa aancccccc 600
tttgttgaat aaagattgtt 620

<210> 984
<211> 495
<212> DNA
<213> Homo sapiens

<400> 984
gcagactggg tacagtggaa aactacagga tgcttgttcc acatcactac caaccatgtc 60
aactgcacag acacaaaagg caaacaggtg aatacagatc aacaagttgg tcagttcttt 120
gctaatagag ctgagccact gtcacttgtc atggatgctg aggccctgaa caacctagag 180
gatctaaagg caacactgag atcactgacc cgagtccttt cccagcgatc ctaaaataga 240
tatcacattg cccagatggc aacattttct cagaggaccc aaaatttagc cccttactga 300
tcttgaggtt cctgaccctt catccaacag ccctgccttc ttcttctcca cagcaatgaa 360
gagtgaaagg ggcggggtca ccctaatgaa ctgaatcaca ggagttaact gctaactcca 420
cctgggcaca atgggtcaga ccaaagtcta aagctcaaaa cagtaaagca gacatttaca 480
ttggttcaca caggt 495

<210> 985
<211> 410
<212> DNA
<213> Homo sapiens

<400> 985
ccagccttct ggaaaattga tgtcattgct catagaatga atgatctcac aagataaaag 60
tgtggatgac tcagagcagc tcatccatcc aactagagac tagagactgt caacagctca 120
gtaactttgt ctgaatatga aggacccgaa ggaccactga gattggagac agaacaaagg 180
ccacaggatt ctgctgcaaa ttctaacagg aggaggcaat ggcagccctt actaaaaccg 240

cagaactaca ggaagaggat ccctgagtgg gattcctgtg tgaaaggcat tttcaccttt 300
ttgtgtatct tcagaatctt aactttcatg agagaagaat agaaatgcaa caatggaaca 360
atccactgta tacacgtagc tgacaattta ataaacttga aggaaatgct 410

<210> 986
<211> 316
<212> DNA
<213> Homo sapiens

<400> 986
gcatgaagct gcctgacatc taaggatctc tgaagagaac tgggacctga aacccatctg 60
aaatgtatct gcagacaggt caagttcatc gagagtcacc tcctgcctga cactccagtc 120
attaattcca gccataacta cagcttttat tggacaagag actgatttca gcactttcta 180
cagataagaa gaccatcaac catggattgg ttctggccgg tttccagaag atacactgtt 240
acatgccttc atgccctgaa aaggcatttt gatgtttagg gcctagttgt gatacattta 300
aatgtctcat ttctcc 316

<210> 987
<211> 295
<212> DNA
<213> Homo sapiens

<400> 987
ggcaagccag tcatcggaag aacaacacag ccaccctaaa gagaaagatg agctgcgagg 60
cactgatggc atgcccactg atgtgtatca agtgcacgtc ccgctgcgga aagagacacg 120
tgttcctcca aaaggcactc tgcttttaa ctctcaggtc tcagacaaca aaccaaagac 180
actcctgaga cttcagcagg agtgccccag acagtgcatg agcatgtacg atccattcct 240
tattttctct atgtcatttc cctgcagagt caaaacaatg cattcattta aagtc 295

<210> 988
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 988
ttgaatacaa ggatgtggtc aactatactg ttcttaccgt tgaaaaagaa gtgctgaggc 60
caggcatggt ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttgtggtca agagttcaag accagattgg gcgacatgat gaaaccccgt ctctactaca 180
aatacgaaaa ttagccattg tggtggcaca cgcctgtaat cccagctact caggaggccg 240
atgtgggaga actgaaccct ggaggtggag attgcagtga gccaagatgg cgctactgtg 300
ctccagcctg ggcaacaaag caacactatg ttttaaataa ataaataagt gctgagatct 360
cagaaaatac aaaaaaaaaa aggccagcga ggccaattca gnttggactt anccaggctg 420
aacttg 426

<210> 989
<211> 327
<212> DNA
<213> Homo sapiens

<400> 989
gtctcgtaag cagagacact gactaccttg tacgtggagt acctctattt agagtaaagg 60
atagttttcc ttacagcctt ggaagactga gagagcatct cctccctaga aaaggacatc 120
catgcttact gccctttata aaagattcaa gctttctaag ttcagggtgt tgctccctgt 180
aatgaaaccc actgtgtttc caagtatcac ctggccctcc ctcttgatat ccctctttgg 240
gaactggggc tctaggaact gggaaaggca atgccaatac tctggctatt gctattactc 300
tgagtaataa aagttcctca tctctac 327

<210> 990

<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 990
gatgagaccc aaccagaatg tcagaagagc tgctccccaa atgtatatga agaagtaaag 60
tctaatagtg gaacaagggt tgtctgtggt gaacacaata atgtgccatc cagattgccc 120
ttcaagaagg gacttgctct aactgctaat agtgctgtca acaaaaagcc ttcatgggca 180
gattttcagg gacctcatca gatgcaaaga gacacttcac ccaatgtcat gtctttccca 240
atgtgatcca tacccaatga ctgattaaga tgggagtata agggccagac cactttggtc 300
caaagcagga caactctgac aggtcatttt agtttcagac ctccccacag aagccatcaa 360
cactgccact ggacgaaaac tgtaactcta cttctccaca tgctcaatct tgnatccttg 420
ctctgccctc ataaatgttc atccaagggt acttcctaat aaatattctg catac 475

<210> 991
<211> 307
<212> DNA
<213> Homo sapiens

<400> 991
aaaatacata ccatcagaac aaggcaaaat ggaggttatc tacattgtat ccctctgtct 60
tttaaattct aaagagtcca tgttgtgagc atctcaagga agtgaggcct cctgccaatg 120
gccatgtgaa tgagcttgga agtggatctt ccagcctcag tcaagccttc agataactgc 180
agccccatct gacagtgtga ctgcaaccct atgaaagaac ctgggccaga accacccagc 240
taagctgctg ctggactcct gactctcaga aactgtgtga aataataaat gctttttgtt 300
ttaacct 307

<210> 992
<211> 305
<212> DNA
<213> Homo sapiens

<400> 992
atgtggctac cacaaaggga cctgaaggag actgctgaag accctgagac cctaagctct 60
gctaacccct ttttggatga gaatctgtct tctcatggag cctaaagagt tgtgaagatg 120
ggtatggtgg ctcacagctg tgatcccaac acttcggaag gctgaggcag acccctgaat 180
tccagcaacc agtttgaagt cccccacaga ggaacgggat ctgcaagaga atacagcttc 240
ttcatctccc tgtcccatga cttcatcctg tactctttaa caaataaaca attgccacac 300
ttcgg 305

<210> 993
<211> 326
<212> DNA
<213> Homo sapiens

<400> 993
ggaggaggca gcctcgtttt tgcagcccga gtcgtgggag ctgcccgtgt ccatggtcat 60
gagaatatga acttcgagaa catctgacct gctgccacct ggccagtgtc ctgcctttga 120
ggagtccagg atttacaagc ctgctgttct caaccttgtt tggcactaac acaccggaga 180
ccatcagtaa cggtgggtct gcaaggcaca gatcttcacc agggatcctt ggggagaaac 240
caagcaaact atttcctgac actagacagg cgtatccctc cctttgagaa aattcacttt 300
ctaaaaccat aaacaacagc tggttg 326

<210> 994
<211> 286
<212> DNA
<213> Homo sapiens

<400> 994
attttcaaac tagaagtgga aaagctactg aagcatctta caaggacata aagtcaaatt 60
tgacctcccc actgccttag ctttggcaaa tgaaagaaaa gcagaagtga tatgtgtcat 120
attggatgga aagaattccc ctgcccttct cctgtttcag tgattgcaga agcactcaag 180
ctgaagcctc cctcccctgt gtctatgagt cactctcatg agccatactt gccaccctgc 240
accagacatc tggcataagt gaggaataaa cctctgtgtg gaatgc 286

<210> 995
<211> 223
<212> DNA
<213> Homo sapiens

<400> 995
ctggcaaaaa gagccaatgt gggtaaacgc cattccagca gcacagccga ggaggagact 60
ccacgtggga ataaatcaag ttgaggcaga aactaaataa gaccccaatt ctaatttatt 120
aattcaatct tttgctctca ttttatctaa cacatgaatc agttcaattt ccaagccatg 180
tgtgctttcg atgtcaaata tataataaac taagttttca ctg 223

<210> 996
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G

<400> 996
taaatcttgc tactgctcac tctttcggtc cacgctgctt ttatgagctg taacactcac 60
agcgaaaatc tgccgcttca cttctgagcc cagcgagacc acgagcccac caggaggaac 120
gaacaactcc agacgtgctg ccttaagagc tgtaacactc accgcgaagg tctgcagctt 180
cactcctgag ccagagagac cacgaaccca ccagaaggaa gaaactctga acaccagaag 240
ggacagactc cagacacgcc accttaagag ctgtaacact caccgcgagg gtccncggct 300
tcattcttga agtcagtgag accaagaacc caccaattcc gggcacactt tctctttctt 360
tcttttgcct attaaacctg tgctcctaaa ctcctcatct gtgttcatgt tctaaatttt 420
cttggcacga gatgacgaac tggggtattt atccagacaa tgcgggcgct tcaacatgtg 480
cactggtctg ntatggaaaa tggtgnaatc ctgctaaaac ttctctgtct ctgctacaca 540
agtgaaacct gacnttttca ttttggaaac ataca 575

<210> 997
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 997
gcaagaaatg aacgtgatat tttctccgcc tcctntcttc tgactgagaa gatgattcct 60
ggagataatc cacttggtta tccgcggatg tgaacataat ttggaggcag cagtcactcc 120
agatggcccg ctgaagctgg gagtcctgag ttaatttcaa gccaaatttc tcactccctg 180
gaggagcaga gtggagggtg tgtgtgcatg gagaagtcca agatttcata tctggaaaag 240
aagactggga gaggccagca tgaatggcca ctgtcctcgc caaatctgga tggtatgtct 300
taagtgatac ttgcaccagt gaagctgaag atcacaatta ctgcctcaaa tactcactgc 360
ctggaaaccg gccacctctg ctccaaaaca agggcttgct atgtgctgac cttgtgtcca 420
agctccaccc ctgctgcttg ttccaacngt cttgctctct gtcttcctcc aatccgactg 480
cagtggggtt ggcaagtgta ngtgtggggg gtgggaagtg gagatgt 527

<210> 998
<211> 373

<212> DNA
<213> Homo sapiens

<400> 998
gctggagtga tcatggctca ctgcagctcc aactcttggg cccaagggat cctcccgcct 60
cagcctctga gtacctgggg ctacagatgc atggccacca cacccaggga aagtgcttac 120
ctcaactgcc aatttacgga ggatctctgt ggatggtaaa tcagagaaga gtgtgaaagg 180
attatgagca ggagaatgac atatttggac tatgtcccag agagacaaca ctgatgataa 240
tgaatataat cggctgaaag agaacaccag aacactgttt agaaggcaac tataacatct 300
caaattagtg acgactgtca tctgaaccat ggagaagatt ttctaaaata aaactagtag 360
gaatttgtga ctt 373

<210> 999
<211> 332
<212> DNA
<213> Homo sapiens

<400> 999
atggaaaaac aagacaccaa gaggctaagt ggttttacca aggatacgtg gcttgttaag 60
tgccaagctc tccatggcat attatgctgc cttccaagtg ccttaggctg tgtgttgact 120
ggggcatcct ctctgcaatc atggctgtga gtgataggtg gacttgccaa ctccctgatt 180
acctgccatc catggaaagt caacacctaa atatgttgtc ttatactact agataatata 240
tgactattat actgcaaata atctttttga agcaaattat aggaataaat tgagactaag 300
aacaataata aacttgggaa atttacaaag gc 332

<210> 1000
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

<400> 1000
caacgtgatg gctgcagtcc agcatccatt gtggaccatg aggcaatctt gagaatggaa 60
accatacaat acaatagtca aagaggaaag gttggatcga tcagtgaagt ttcacagaag 120
ttgtgacatt tgggttggat cttgaaagat aatgggagct ttgaaggtga atgaaaaaag 180
aagtggaaga acattcctgg tagatggaac agcatatgcc aaagcacaga ggtccacatt 240
gcctttatga gctgtaatac tcactgcgaa ggtctgcagc ttcactcctg aagccagcga 300
gaccacgaac ccaccgggag aaatgaacaa ctcccacgcg cggncttaag aactgtaaca 360
ctcacggnaa aggtcgcact tcacttctga gctacgagac nccaacccnc naaaaggaaa 420
aacttccgac ccttccgaca ttcanaagga ccaactccaa ccccncnctt aaaagttgac 480
cttncccgga agggtccggg gnttttttnt tgaatccgng gaaccaaaan ccnccattcc 540
ggcccagttt tacccc 556

<210> 1001
<211> 232
<212> DNA
<213> Homo sapiens

<400> 1001
ccctggcact gaccccagct cggcaaccca gatgagagct aattttgggg aaatgacttc 60
gcctcttgga gtctcagtga gaaaacacca agaacccctc aaggagcagc tgcaggtgaa 120
gcgacgacat gcacagcatg catcagaccg cgctggacag aggcgcttgt tcctgtttct 180
acctctcccc acttcagagg attccttcaa taaaaatcaa tttccaaaca ag 232

<210> 1002
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 1002
ggagctcctg cttnagtncn aactgaggac ttttacanag gaagggaaac tcaactagac 60
cacctcagat gtcataaaga acactgactt ggcaccagaa gatctgtact cacgtcctaa 120
ttcttcaatt taacaagctt tgtggccttg gagaaactgg ctgacatttt tgagcttcag 180
ttttcacctt tgtaaaatga tgcagttgga ctttcctact ggtcctcaaa cctttgtgtc 240
atgcattcta tcaacgtttg aactctgtcc ttaccagcca gtttcatccc cactctgatt 300
nctcctccct ccaaccaaag aataaaagca gcaagcaaga aatctccttt tccaagcatg 360
acacttacat gtttataggc tgnctatggc ccttttcata atttgngctt ttcaattttt 420
tttctgggat ttaagtttta aaagaataaa ttttatcatg aatctat 467

<210> 1003
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 1003
aaangcatgg ctntgcctcc tcatttgaag cccactcang attgataata aagaaagtaa 60
ctttgaagta aacagggcca gtcttatgag tcttggagta ataaaatgat tctgtgcttt 120
gctc 124

<210> 1004
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 1004
actggacaag ccggcaccac cccatgattc aaggatggcc atagcccagt gcaggagcag 60
atttgcttcc agtttgccct tcctcctagc tgaactccag gctccagccc agagaagcaa 120
gaaaagagca aacagaagtt attcacatgt gcatcagaca cgcaatccat accacagcca 180
ccagggtgat tgtccaggtt gtatttctgc tgacatcgac ccttcatgcc ttcctcttgt 240
tgacccttcc agctacacct agctcggtcc tcttcagagc cacgccaaca cccaggttcc 300
tctgcagtgc atccccatgg ggatttaccc ggcccccaca tgccagacca tcgttggtgg 360
acctcatcac cagcatgaag tgggctcttg gagttgtcga ctgactagtt cacaattagt 420
gactcatagc atctcactna tttcttttca tcaagtagga ggnagcaagt ctgcactttt 480
gcatcacatt ttaaaaanat ctgggnggtt gtttttttgc ccaaaactaa 530

<210> 1005
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1005
gggggagaca gagtctcact atgtcactga agctggagtg caatggcatg atctcagctc 60
actgcaacct ctgcctccca ggttcaagtg actctcttgc ctcagcctcc tgagatgtgc 120
tccaccatgc ctggggaatt tttctatttt tagtagagac agggtttcac catgttggcc 180
aggctggtct cgaactcctg acctcgtgat ccacccacca tggcattcca aagtgctggg 240
attataggcg cgagctgctg cacctggccc cggttcactc ttgtgacaaa tttcttcatt 300
tgacaaaata aaagaaagaa tttcagtaca aaaatc 336

<210> 1006
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

<400> 1006
acagattctt gctctgtccg accaggctgg agtgcagtgg cccgatctca gctcactgca 60
acgtccacct cccgagttca agcaattctt cggcctcagc ctcctgagta gctgggatta 120
cagatgtccc ccaccacgtc cggctaattt ttgtattttt agtagagacg gggttacacc 180
atgttagcca ggctggtcat gaactcctga cctcatgatc tgcccacttt gacctcccaa 240
agtgctgaga ttacaggcgt gagccaccac gcccagctga aactgttctt taaactgggt 300
agcctatacc aatgtaaggc aatgttgagg agtagatgcg gcctctttcc tcaaagagag 360
atccagaaaa ggcttctgaa aacccaagac acttgaagat cattgtcctc tancaagtct 420
gaacaccatg gagaggccac agctgtgaaa aaaagaaaan gatgggcccc ggttttacca 480
anggccccnt tcctggaatg aaaagggaaa aaaccnncct ttaaaaaaag agcc 534

<210> 1007
<211> 276
<212> DNA
<213> Homo sapiens

<400> 1007
atgctcaccc ttggaatcaa gctgccatac tgtgaggaag ctcaggctac atggagctgt 60
cacatgggtc tggccaagac agtccagcca acctctcagc caacagctag catcaaagcc 120
cagaatgatg agggagcaag cctttggatg attccagcaa ccagcttttg agctgccccc 180
actgagattc catggtggca cctggtggca cagagacaag ctgccccacc acgccctttc 240
tgaattcctg acctgaagaa taaatgatgt taagcc 276

<210> 1008
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 1008
cncctaaanc agggactggg gcttgncagn tttggaanaa ttgcgtnggn taattgcttg 60
aagnncggga aaaaaaaaag ccacctggcc ccagggtcaa aacctttgat tgaananagc 120
nccncctaaa aaactgtttt gcagaatcaa atgccacaga naagcanggt aaaatcaggg 180
gtggaaaaaa gaaccgcctg gggtccctgg tcacttttg tcctcatgtt tcccttggca 240
ttaataagaa atttaccana atgcnttttc gatnggatac caaagaagac attctggggt 300
taataaaata acctttttgt aattatg 327